



Memoranda

Gull species

white tail - no bar or edge

dark head

dark feet



Done
CPK

4

wh

da

o



[Faint, illegible handwriting on lined paper, possibly bleed-through from the reverse side.]

Island Circuit - Beaches

Green - Kure 26 March 1967

Ruddy Turnstone - ~~IX~~ ~~IX~~ ~~IX~~ ~~IX~~ ~~IX~~ ~~IX~~ ~~IX~~

Golden Plover - ~~IX~~ ~~IX~~ ~~IX~~

Bristle-th Curlew - "

Wandering Tattler - "

Seals

AF w/pup (large) - 1

SU in water - 1

AL in water - 1

AF w/sm. pup - 1 pup w/unleashed cord
after birth on beach nearby

Byss - pups - "

AM - 1 } guarding

AF - 1 } giving birth

Green - Kure 26 March 1967

Bl-footed Albatross chicks pier to point:

~~IX~~ ~~IX~~ ~~IX~~ ~~IX~~

working into Scaevola
about 50 feet.

Laysan alb. along beach to post 10
~~IX~~ ~~IX~~ from pier

Near marker 10 found a skeleton w/orange
streamers on 1 leg. could not fit lower
leg or band for this bird. Nor could
the species be determined. The bird was
small - about Sooty Tern size.

Green-Knee March 26, 1967

Red-footed Booby - 79 birds
on Scaevola at 3:20 pm

H. Frig 134 on ground 38 flying
at 3:22 pm.

Red-t. Tropicbird - 16 flying 3:25 pm

Frigate counting vigorously

(H. booby Ten - 19 seen at 1 pm.)

About 350 Sooty Terns
swarming off the East side of island
at 7 pm.

Green-Knee March 26, 1967

Post 10 to Post around tip of island
Black-f Albattos - ~~XX~~ ~~IV~~ ~~XX~~ ~~III~~

Laysan - 1

John

To Antenna field road
Bl-f. - ~~XX~~ 1

Laysan - 0

Antenna field road to end of
runway -
Black foot - ~~III~~

End of Runway to overrun.

Black f. - ~~0~~ IIII

Laysan II

End of Runway to end of Runway

Black-foot - IIII IIII IIII to #32
IIII IIII

Laysan - IIII IIII IIII IIII IIII

Wedge-tail - 1 7:05 pm

Xmas Is - 1 at 2:30 pm
1 at 7:20 pm

Green Line 26 March 1967

Laysan Albatross

737-978737

737-96998 } paired

737-91266

Red-f. Booby 79 roosting
on S end of island at
7:30 pm

737-94454

697-22862

737-93497

697-90779

737-95199

737-97987

737-96387

737-92098

737-92735

697-04090

697-22959

737-92701

Kure Is. March 26, 1967

Bonin Is. Petrel Returns

753-32883 on ground

Kure Is. March 26, 1967

Wedge tail Shearwater Returns

615 08637 on ground

Blue-f. Goby

697-90199 - AF } 2 eggs

667-39204 AM

667-35065 AM } 1 egg + 1

35051 AF } on washed shell

March 27, 1967 Kure

Laysan all on very small
chick 3 1/2 high (sitting) by 5 1/2"
long - sitting Took photo but in
very poor light. on edge of Scaevola
near end of runway on south end of
island.

March 27, 1967 Kine

Sendo Am-1

AF w pump (+)

AV in water - 1

AF w/prop in water +

Middle of Runway to end point

Bl-f: $24 + 8 + 1$


Leiza - ~~III~~ ~~III~~

End of Point to Pier along beach only

Bl-f alt - ~~1~~ ~~2~~ ~~3~~ ~~4~~ ~~5~~ ~~6~~ ~~7~~ ~~8~~ ~~9~~ ~~10~~

~~the ML the ML the ML~~ 1/11

Ally

Lagom alt. 

|||||

Green River 27 March 67

Recovery

737-91422 Layson Alb

737-99610 Greenrodize ~~It~~ I am blue f

Silver River - 1 changing

Kure Island

March 27, 1967 Section set
off by SE Antenna ~~guy~~ guy
wires - Robbins recorded 96
Layson^{alt} Feb 9-10, 1967

Layson - ~~NI~~ ~~III~~ ~~IX~~ ~~XX~~ ~~XXII~~ ~~XXIV~~ ~~XXVI~~ ~~XXVIII~~
~~XXIX~~ ~~XXXI~~ ~~XXXIII~~ ~~XXXV~~ ~~XXXVII~~ ~~XXXIX~~ ~~XXXI~~ = 68 + 11 = 70

11

Green putty side from SE wire to base of antenna
road to antenna.
7 to 2nd antenna guy from SE

June 30.

March 28, 1967

Blue-f. Booby - Nests

VAMP

AM - 2 eggs 44.45×72.5 ; 43.85×71.95

nest scrape 16" diameter

AM 2 eggs (737-45123) 45.5×60.55

45.4×65.2

737-45125 AM 2 eggs 43.3×66.3

45.9×66.55

697-70649 AM 1 egg 46.85×64.5

737-45126 AF 2 eggs 46.6×62.9

47.65×62.8

AF 1 egg

Started raining
2:30 p.m. - ran like hell!
still got soaked.

Kine March 27, 1967

Wedge tail

675 09245

Brown Booby

97-70925 AM

737-92436 AM

92446 AK

95949 AF

98001 AF

697-70671 AF

737-99727 SU

737-45203 AF

immature but not
that old - magenta
below top 11th

Recovery

737-99806 Brown B. - seen nearby

Wedge-tail - return

035-16308

March 27, 1967 ~~Return~~ Time

Bonin Is. Petrel - Return

753-33214

903-03499

03244

753-32615

903-03799

03526

793-20622

903-03460

Kine March 28, 1967

~~Recovery~~

~~597-83263 Blue-f. Booby - S. Antenna field~~

Kine Blue-f. Booby March 28, 1967

~~March 28, 1967.~~

~~VATP~~

~~North + South antenna field~~

~~667-35064 AF~~

~~39213 AF~~

~~737-45132 AF~~ ✓

~~697-24529 AF~~

~~667-35070 AM~~

~~667-35072 AF 2 eggs~~

~~737-45121 AF 2 eggs~~ ✓

Kune March 28, 1967

Brown Booby

737-45203 AF - sunny in
North antenna field

✓ ADP

Kune March 28, 1967

Blue - f Booby

All North antenna field except 1st level

AM 1 egg 45.9 x 59.55 South antenna field

AF 2 eggs 46.25 x 69.0 / 44.9 x 61.95

AM 1 egg + 1 naked chick - not disturbed

AF 2 eggs 46.0 x 62.95 / 46.85 x 65.25

AM 1 egg 47.35 x 63.3

AF 1 egg 47.0 x 66.6

AF 2 eggs 45.7 x 64.4 / 43.7 x 66.5

AM w/ 1 naked chick several days old - not disturbed

AF 2 eggs 45.15 x 66.15 / 42.95 x 69.25

AM 2 eggs 44.85 x 59.0 / 47.4 x 70.85

Astray voice (gurgles) prod male by bill color. 2 eggs

45.35 x 66.2 / 43.9 x 61.2

AF 1 egg 44.9 x 73.05

AM 1 egg 47.65 x 68.75

AM 2 eggs 47.4 x 72.7 / 45.45 x 68.05

AF 2 eggs - not measured on especially belligerent bird
attached vigorously + couldn't be caught

Kine March 28, 1967

Blue-f. Booby

697-24501 AM 2 eggs

597-83277 AF 2 eggs

Kine

March 28, 1967

Blue-f. Booby - North antenna f.

AM 2 eggs (697-24501) 44.9×66.95
 46.3×66.7

AF 1 egg 45.1×62.95

AF 2 eggs 46.45×68.6 / 45.65×66.4

AM 2 eggs this ~~bird~~ nest is on sticks

about 1 foot from bare area
 45.5×62.0 45.7×61.7

AF 2 eggs - 111

1 egg - 1

AM

2 eggs - 111

1 egg - 1

AF 1 egg 45.8×69.6

Kine Is. ←

(#1) Brown Booby - 16 x 17", bowl $9\frac{1}{2} \times 9$
depression ~~3~~ 3", AF incubating
41.4 x 64.65 / 41.9 x 62.0
Construction of driftwood, Scaevola
stems, Tribulus, some grass stems
feather, on ground on edge of
Scaevola thicket in Tint,
Boerhaavia + near Verbeina +
Eragrostis.

(#2) On edge of Scaevola, female incubating.
nest very small + unelaborate for this
species - consists entirely of a bowl in
a depression bowl $8\frac{1}{2} \times 9, 1\frac{1}{2}$
depression, ~~no~~ few nest materials
past lip of bowl: rest of Scaevola
leaves + stems, Tribulus, grass stems
1 fresh Scaevola leaf + 1 sprig of Tint.
Nest in Tint + Boerhaavia some feathers

March 28, 1967

nest #1
collected

Brown Booby

2 eggs 40.45 x 60.6 / 41.0 x 62.2

Tower overlooking Central Roost

1:55 pm.

29 Frigate in flight

85 on Scaevola

Red-f. Booby - 64 Red-f. Booby
on Scaevola

Red-t. Tropic 16 on central roost

~~Frigate nest~~

~~AF empty - HT~~
~~AM up.~~

Brown Booby AF 2 eggs on little sand of dirt
in middle of dense Scaevola near roadway. Nest
of Scaevola branches (liberal) Boerhaavia (fresh)
Scaevola leaves (fresh), 1 sprig of Tint +
some dried Tint stems

42.35 x 62.95 / 43.25 x 65.6

Nest 21 x 23", bowl 9", depression $2\frac{3}{4}$ "

Kure 28 March 67

Frigate Nests - central roost

AF:

Empty - ~~TH~~ 1

1 egg - 11

AM

Empty

1 egg - 11

Unh - 11

49.35 x 72.6 opaque

48.15 x 72.7 fresh

48.25 x 69.85 fresh

49.05 x 70.15 fresh

45.15 x 72.1 fresh

As soon as a bird is chased off of a nest there is an almost immediate rush of male frigate to that location in order to steal nest materials. The majority of birds observed during the robbing were Subadult males.

Red-t. Tropicbird - egg

44.2 x 66.0

Seeds AM

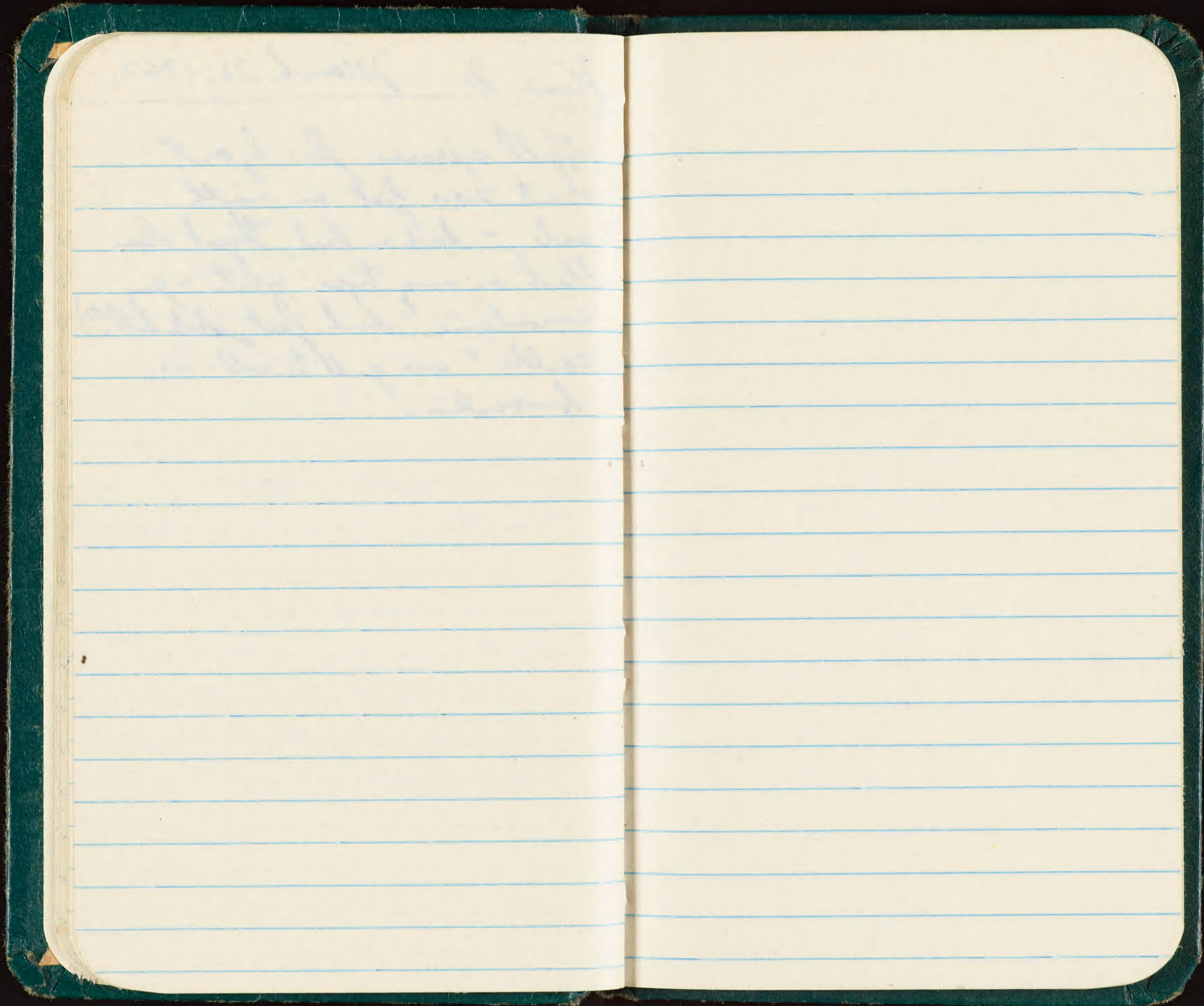
AF } looks pregnant - about 3 years old

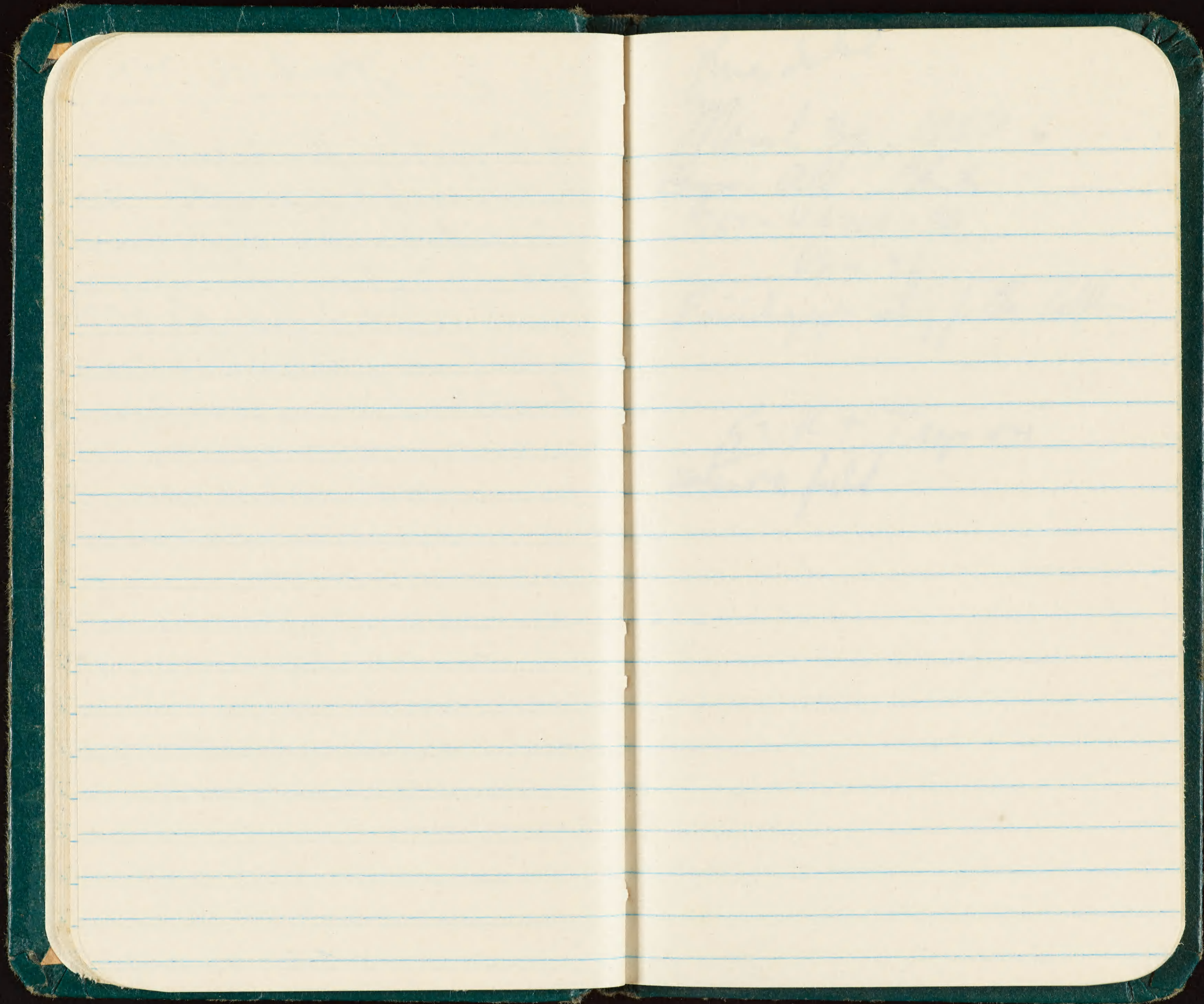
AF in Scaevola North beach

2 A ~~W~~ in water north side

Kine Is. March 28, 1967

Gull species flew by out
about 200 feet on north
side - dark on head, throat clear.
black on wing tips, white + gray
secondaries, dark feet, dark bill(?)
couldn't see gull to well - no
binoculars.





Kure Island

March 30, 1967

Laysan Alb. Chicks

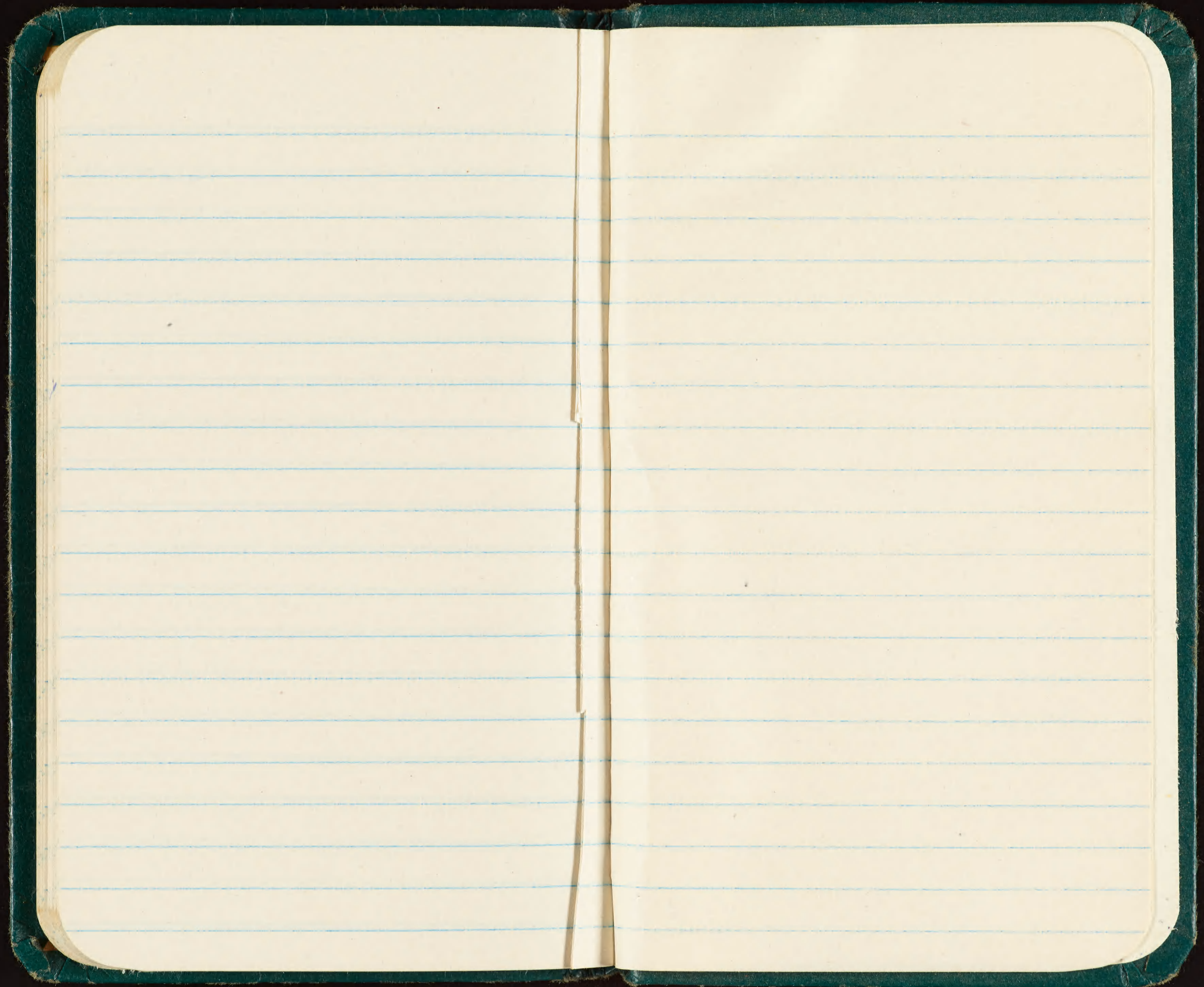
767 - 46709 - 50

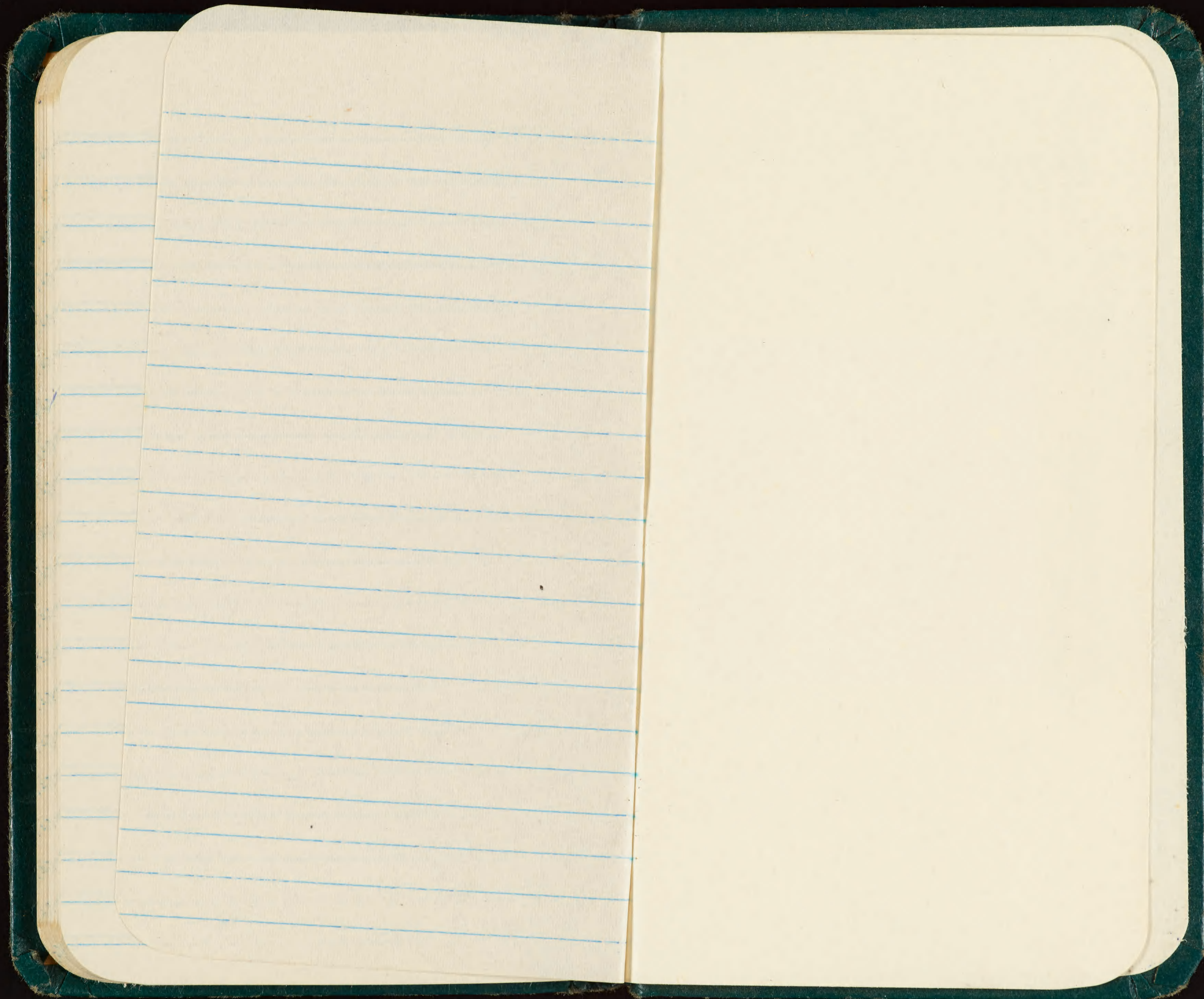
68 - 96

Finishing up a string for the Robbins

52 R-t. Traps on
antenna field

Blank lined paper with a small dark spot near the top left.





934-851

have observed that adults don't care what
type of chick they fly next to.

from plane 14 AU seals + 1 SU on
Sand spit ~~to~~ on SW end of atoll

~~33~~
~~11~~
~~9~~
~~28~~
~~175~~
~~19~~

~~134~~
~~4~~

~~188~~
~~37~~

~~185~~

~~248~~
~~185~~

~~313~~

~~17~~
~~9~~

~~217~~
~~7~~

~~34~~
~~2~~

~~36~~
~~6~~

~~42~~

7530-222-0078
FEDERAL SUPPLY SERVICE

GPO c43-16-73124-2



Memoranda

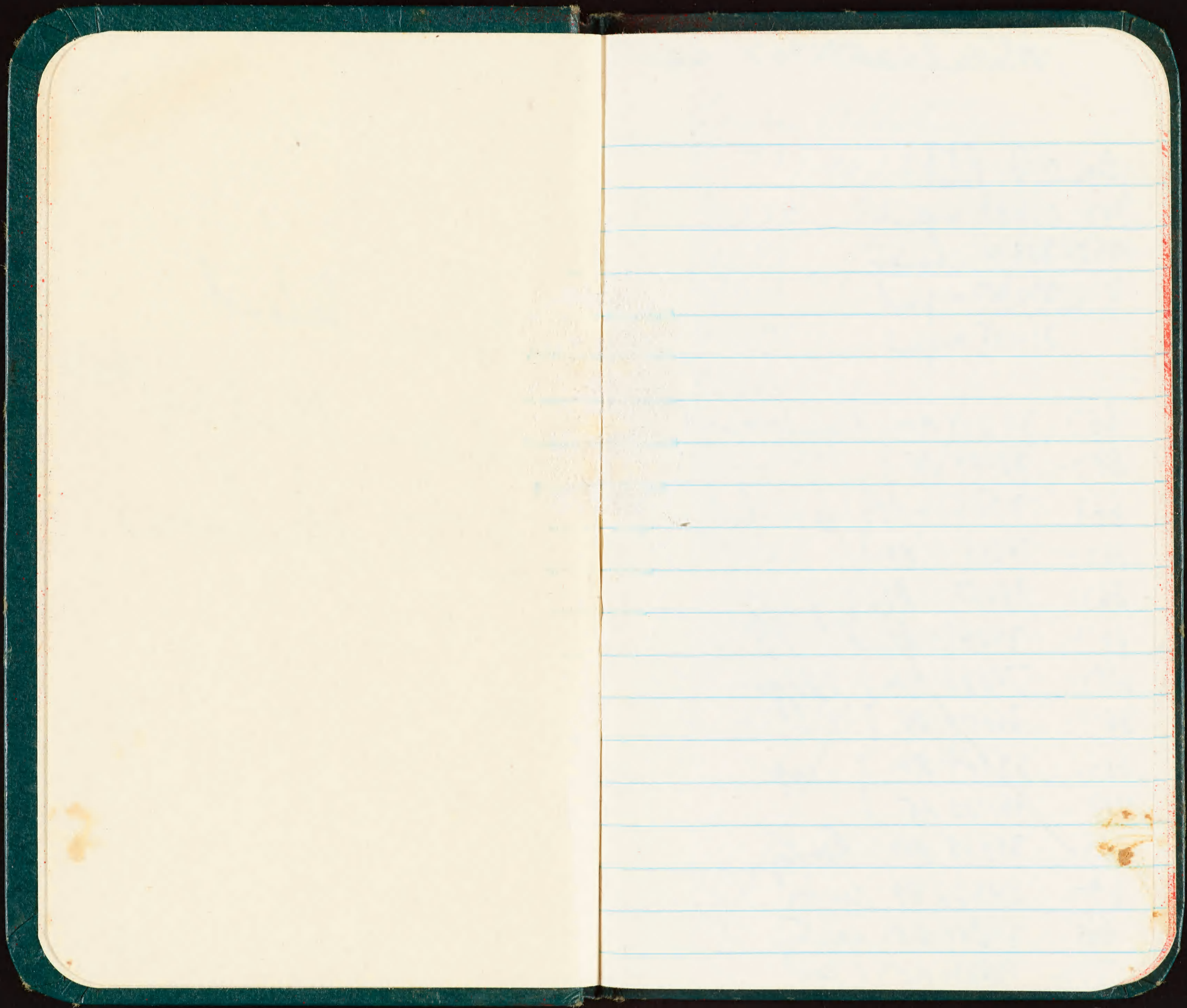
Kune

Kure Island

March 28 - March 30, 1967

C. D. Hackman

Done
CDH ✓



March 28, 1967

✓ADP

Bonnie B. Petel

903-03489 on ground

753-33849 in burrow

33027 on ground

33475 on ground

667-39204 AM } 2 eggs (new nest)

697-90199 AF }

667-35051 AF } 1 egg + 1 chick

667-35065 AM }

667-35055 AF }

667-35069 AM } 2 eggs

697-70660 AM } 2 eggs

667-35072 AF }

667-35029 AM } 1 egg

737-98170 AF }

667-35035 AM Roosting

697-24522 AF Roosting

665-35044 AM Roosting

737-98231 AM 1 egg

Kune B.

Laysan Albatross

732-90265

732-90334

767-45305

96585

737-98023

92702

90729

697-90276

737-90330

697-22810

737-90319

697-90272

737-94925

90600

Wedge & Shearwaters

605-21108

615-08764

March 28, 1967

Blue-f. Booby

- ✓ADP
- 667- 35034 AU roosting
737- 45116 AF w/ on marked chick ✓
697- 70921 AM }
667- 35058 AM - roosting
697- 70664 AF roosting
667- 39222 AM 2 eggs
697- 24502 AM 2 eggs
737- 45170 AM
737- 45115 AF ✓
667- 35046 AF
697- 70658 AM
70656 AM - 2 eggs
667- 35043 AU
667- 35047 AF
697- 70653 AM

737- 95842 AM 2 eggs ✓

667- 35032 AF

667- 35037 AF 2 eggs

point
int. hyp.
next page

King Island
Blue f. Booby
✓ADP
Laysan Alb

697- 70919 AM pair w last bird

697- 24518 AM }
24519 AF } 2 eggs

667- 35052 AF 2 eggs

737- 45199 AF roosting ✓

667- 35041 AM odd 2 eggs
39221 AF

697- 70618 AM

667- 35060 AM 2 eggs

697- 70623 AF

70647 AF

737- 45118 AF ✓

Brown Booby

737- 45228 AM ✓

Bonin Is.

753- 32648

March 28, 1967

Kure Island

Blue-f. Booby

✓ADP

697- 70662 AF

737 45178 AM

45112 AF 2 eggs

597- 83253 AM

667- 35030 AF } 1 egg

35057 AM 1 egg

35028 AF }

697- 24516 AM } 2 eggs

70634 AF

667- 35059 AM

24512 AF

697- 70920 AM } 2 eggs
70652 AF }

667- 35068 AM 2 eggs fresh

697- 70657 AM 1 egg

737- 45195 AF

697- 70620 AM

737- 98529 AF

45173 AM

Jaysen all
697- 22894
737- 93393

Wedge tail
605 21602

March 28, 1967
Blue-t. Boobies

697-90196 AM 2 eggs

70619 AF

24515 AF

54523 AM } 2 eggs


→ King Island
Laysan All

737-94890

667-43679

Wedge-tail Shearwaters
605-12795

Pyle goes back to D.C. next

→ Boy 

Headquarters U.S. Army
Material Command, Wash D.C.
Dated 8 March 67.

Letter Order 03-184
AMCPM Temporary Duty
TDY AS indicated
Midway + Kure CIPAP

Will proceed date on about
15 March approx 30 days
Sec. Clearance Secret.

person coordinate unit mission
ACCT CLASSIFICATION

21X2040 760-3901
P-5672-21/542-007

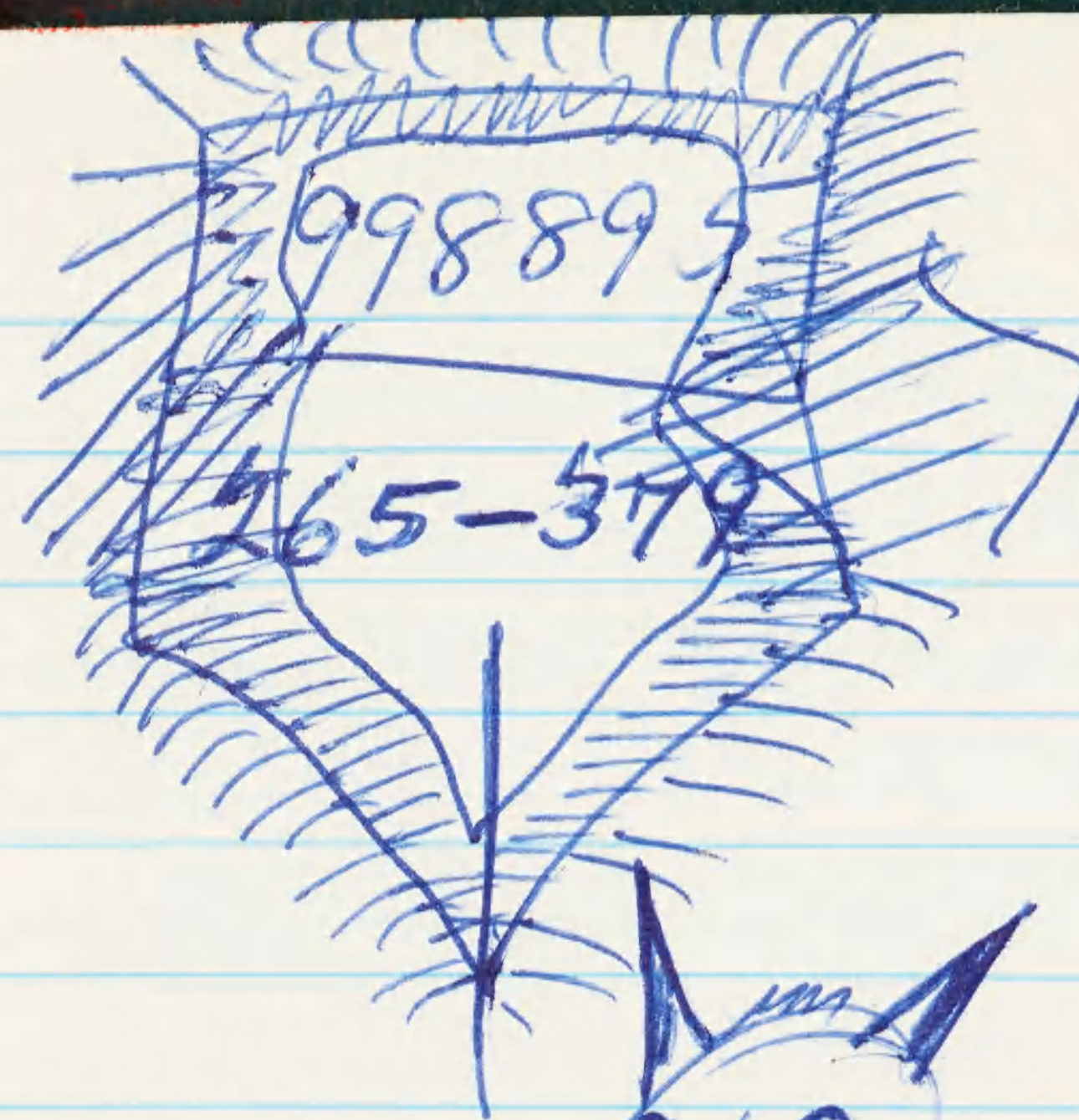
T-3-70537 WO

73101/2121

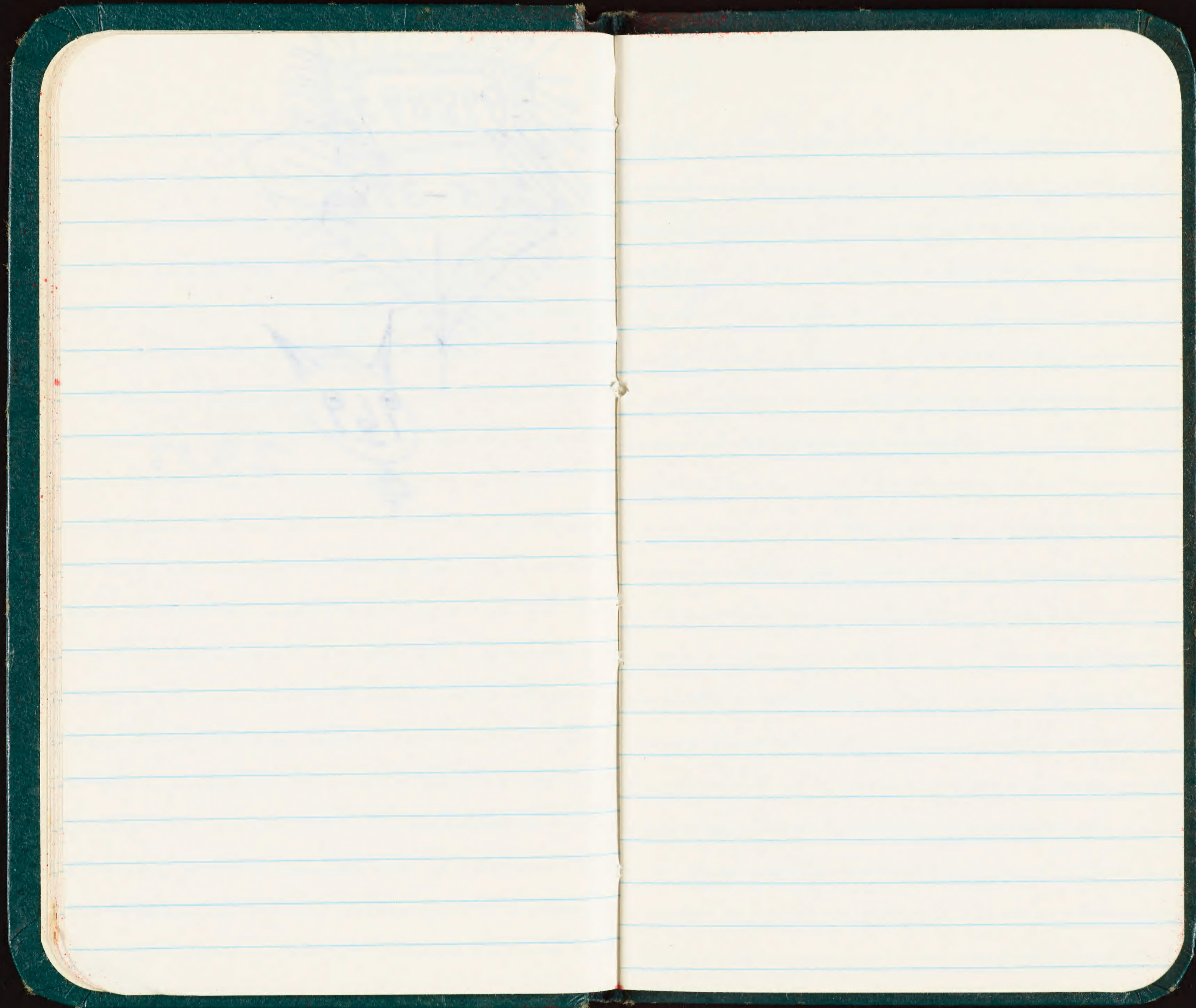
With line CIC 21X2040
000 42007

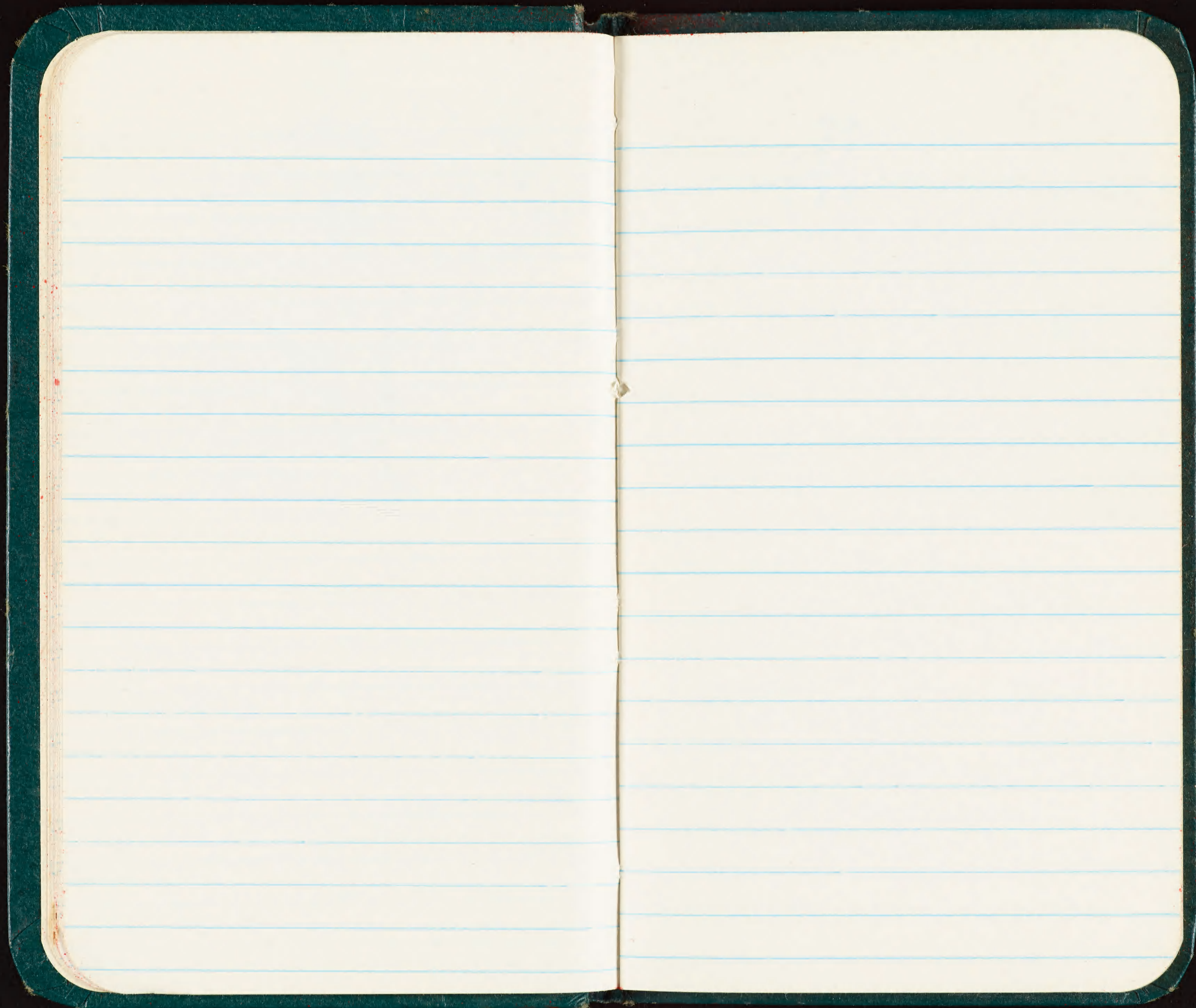
Special instructions
fund citation for M&E
Travel only. Admin
authorized no excess
air baggage

Charles F. Contant
for Comrades of WS
Army Material

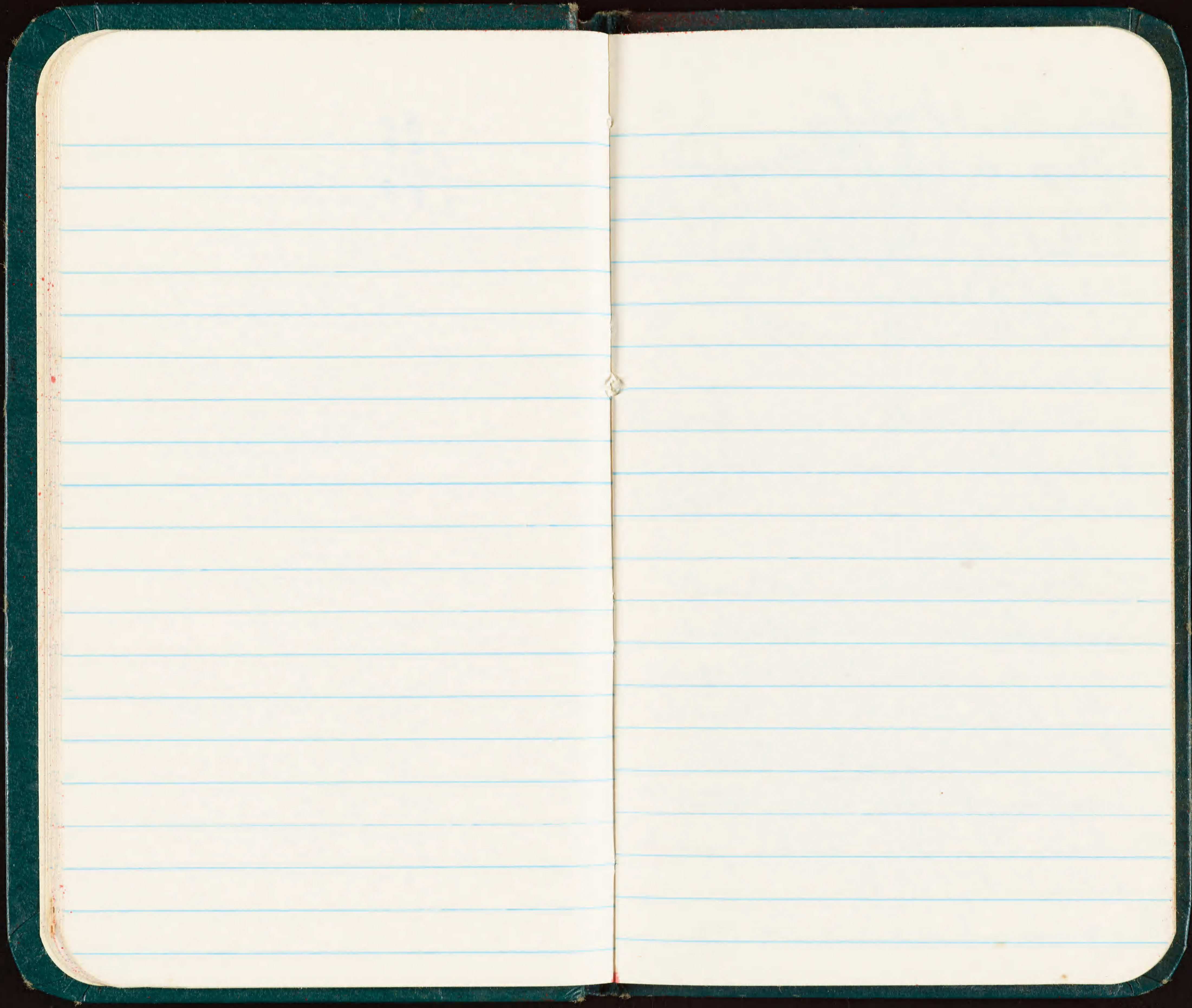


2333





$$\begin{array}{r} 30 \\ 199 \\ \hline 289 \end{array}$$



Kure IS. Vegetation

Verbesina sp. knee high through
large segment of north antenna field
Euphorbia - small plant scattered
in front of barracks

Saw Thistle - plants scattered around
barracks

#1 Cynodon sp. scattered around barracks

Pussy-toes - around barracks

Boerhaavia - native common throughout
island in clearings

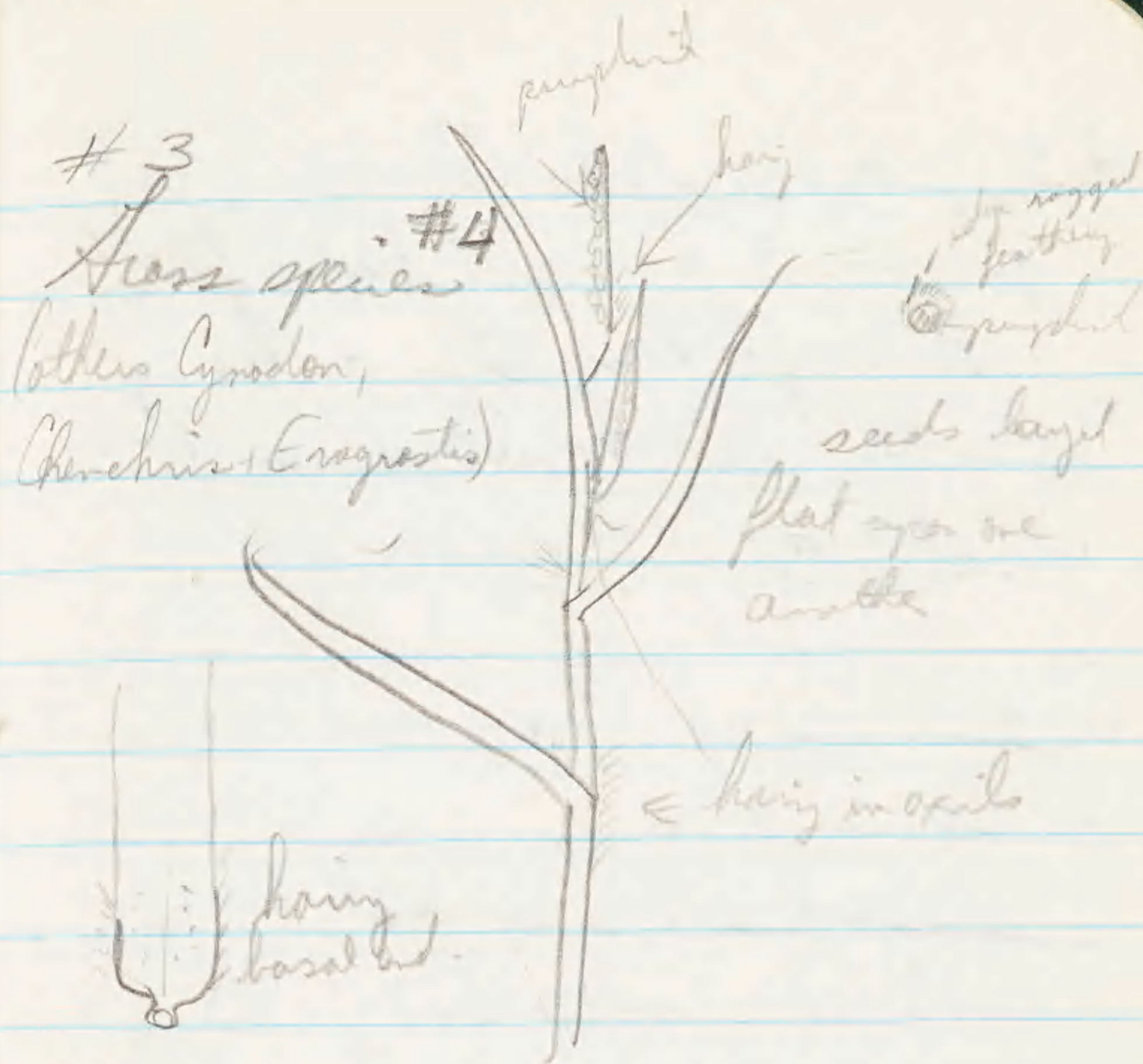
Triplaris - common in clear areas

Scaevola - covers $\frac{1}{2}$ of island
or more in dense thickets to 10-12
feet high

#2 Grass sp. Eragrostis - tall +
common in clear areas - Native

#3 Grass Chenchrus (Sawdust grass)
introduction in lawn.

#4 grass with species on next page



Broad leaf 2-3 heads per stalk

leaf 10.35 mm. Each seed
seeds about 2.8 mm wide

Heads about 19.85 mm.

Some type of Eragrostis?
plants about 7 $\frac{1}{2}$ " long from ground
to top of head

#5 grass - like common crab
grass 3 pronged head, flat
+ hanging. leaf thin + hairy
in area near basketball court

Oxalis sp. in lawn. intro

Casuarina sp. (Ironwood) introduction
in lawn area

Messerschmidia several trees
scattered around island.

Solanum - common in cleared areas

Bleeding

Cocos sp. introduced near barracks

Grass #6 small Eragrostis-type
on north side of basketball court.

Ripening fruit is purplish, leaves small
+ long, pointed. Small, dainty grass

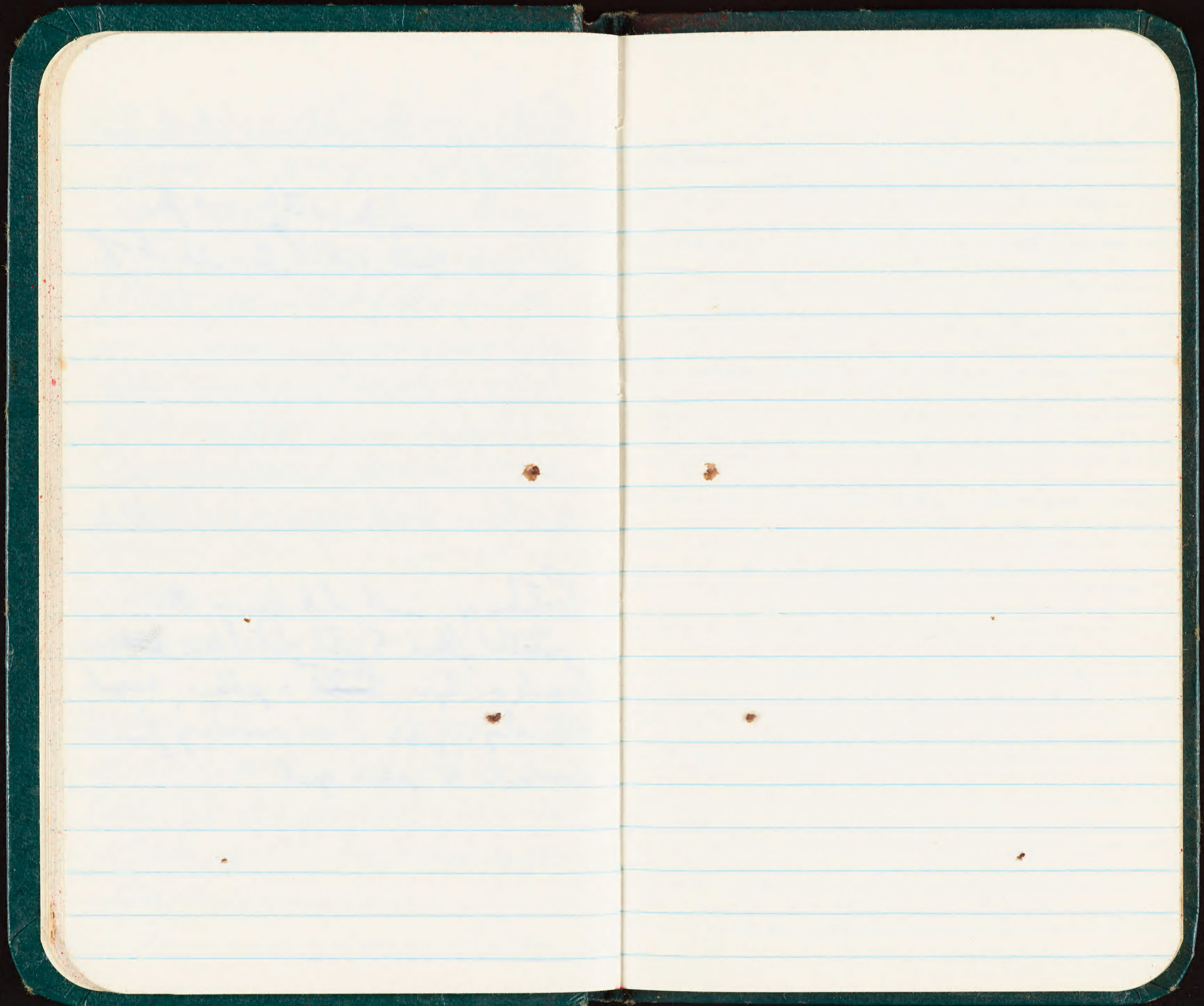
Cordia sp. Several near basketball
court

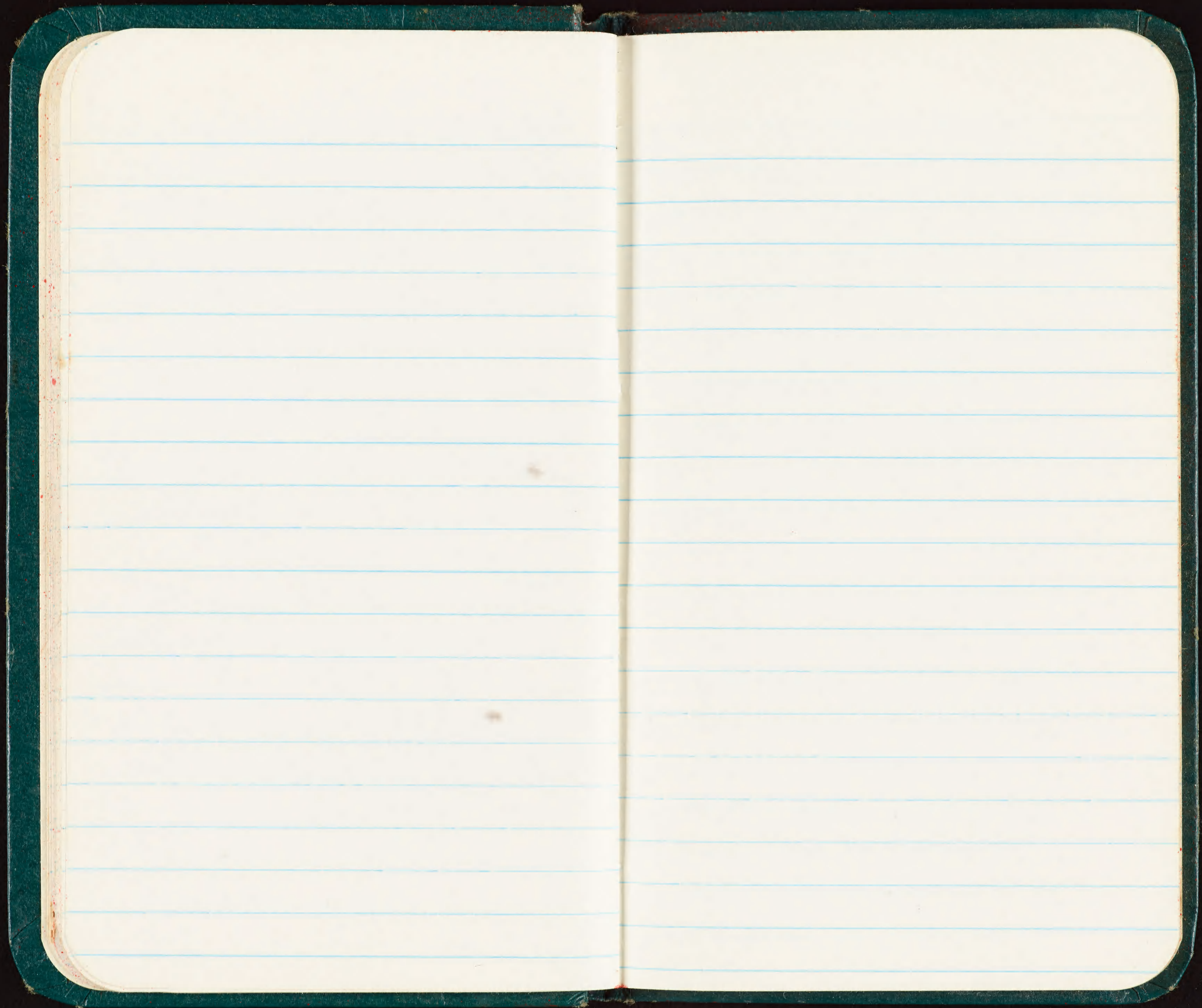
many flowered stalks, small flower
Chick-pea 4 petals, 6 stamens, ^{yellow} flower white with ^{maroon} stem.

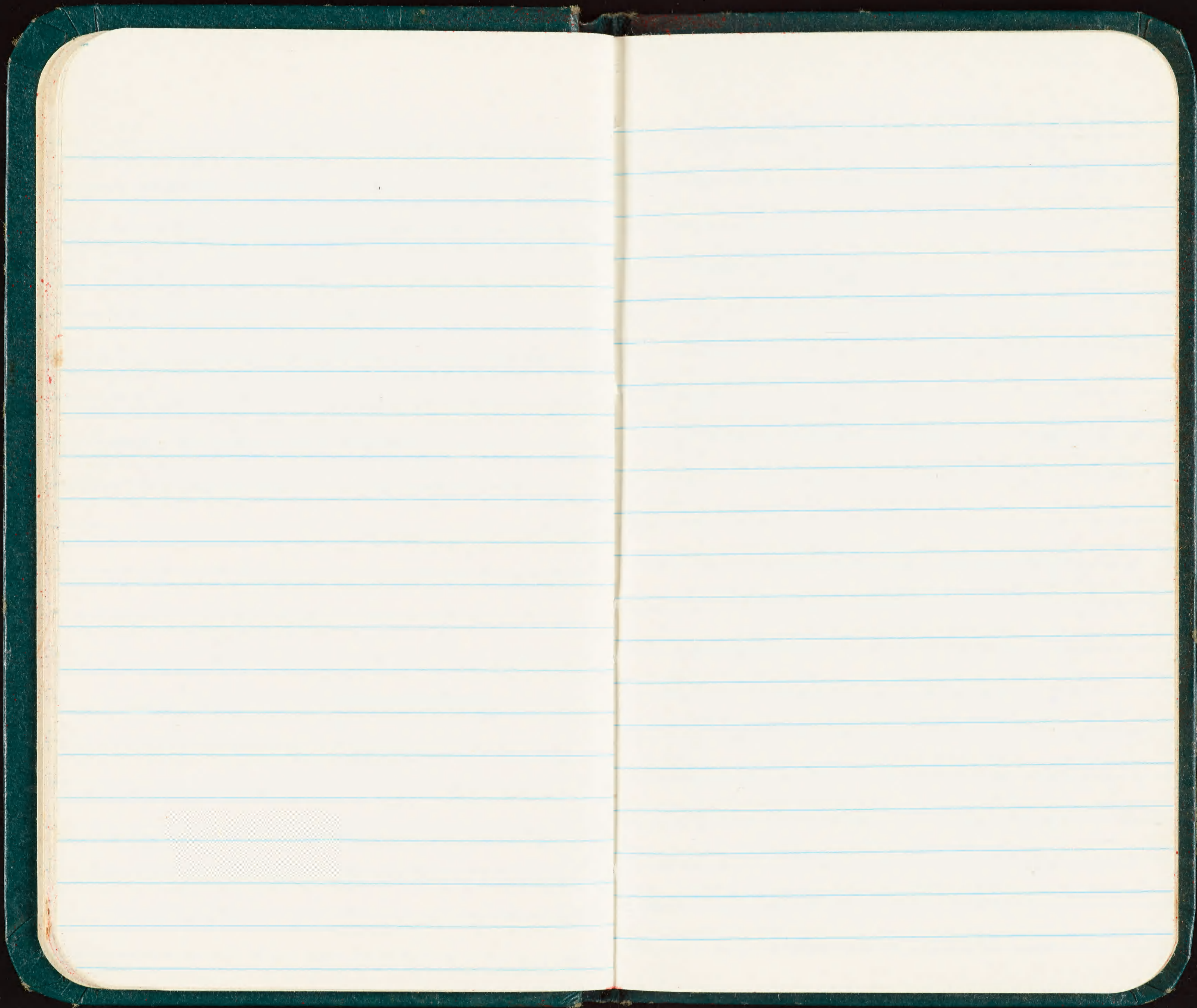
Morning Glory - common along edge
of Scaevola + cleared areas.

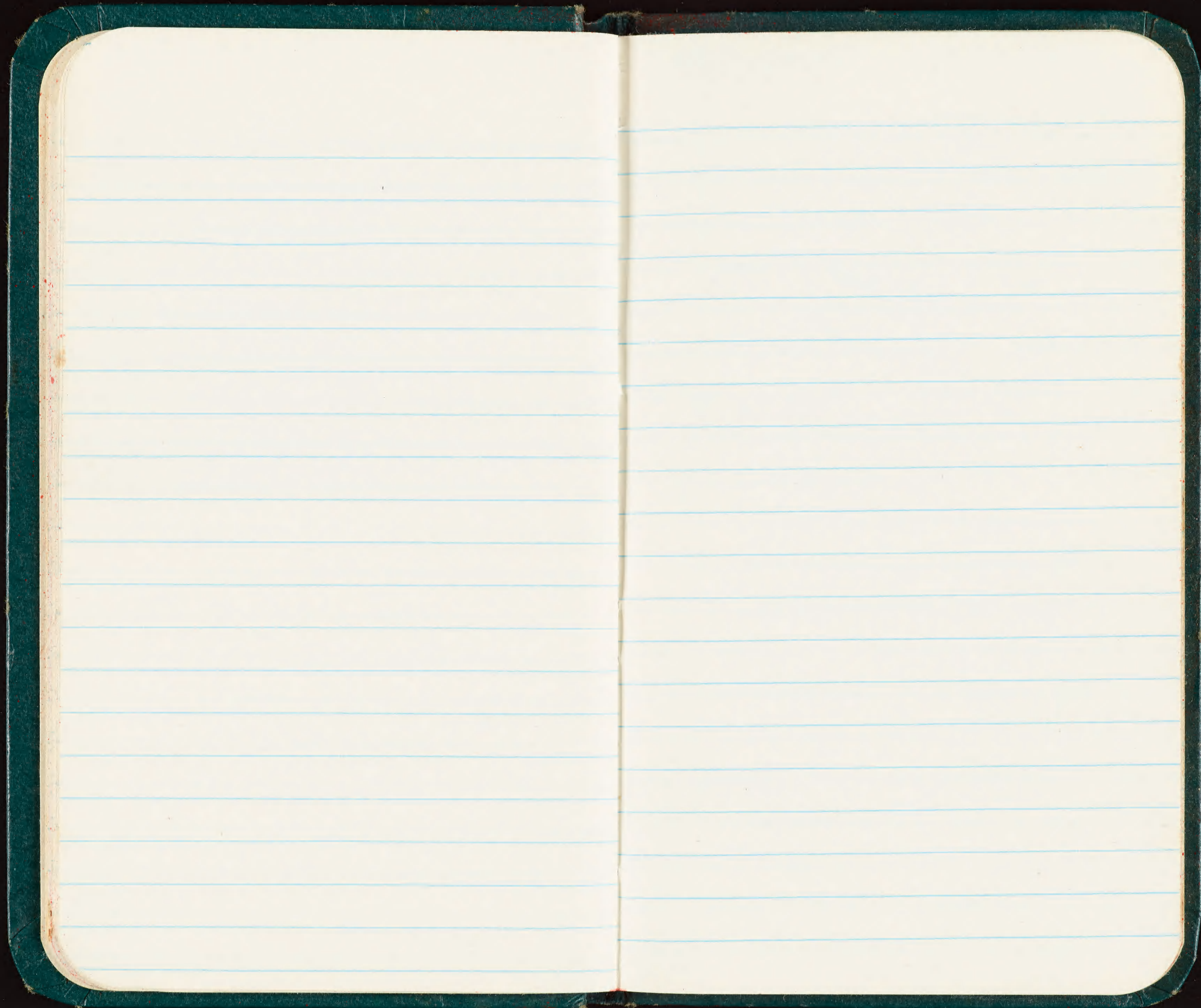
Nightshade species Solanum - small
dainty white flower with yellow center
5 petals. Leaf typical nightshade.

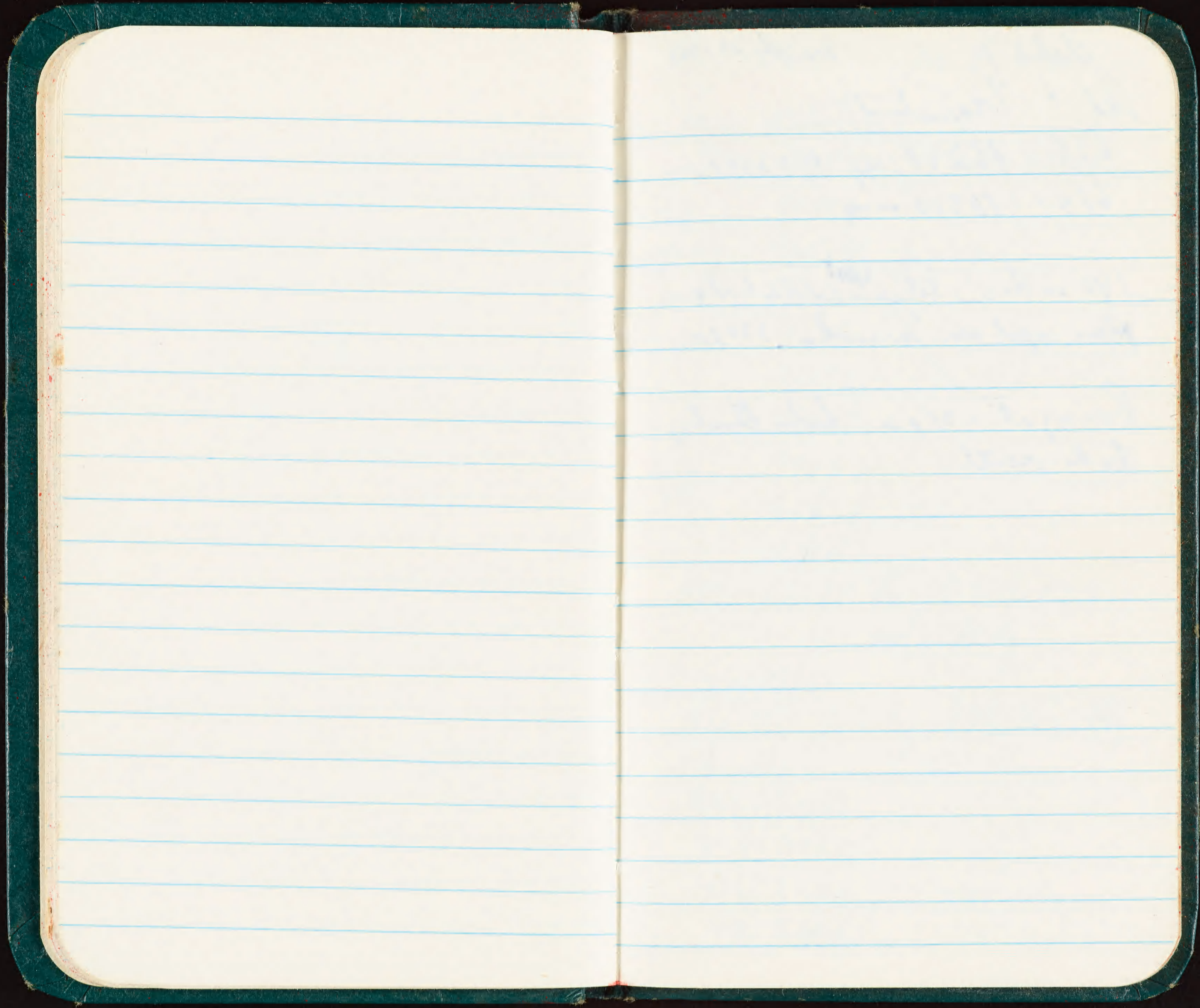
Portulaca sp. small, thick leaves, thin
petalled flower 5 petals white at base, ~~lance~~
lance on tips, ~~stamens~~ 5 yellow 5 sepals
alternating w/ petals. - on roadways from
barracks to plane spot











Checked - III

March 29, 1967

Red-t. Tropicbird

✓ ADP

635 16234, egg 44.2 x 64.0 mm

615 - 10310 no egg

140 in the air between ^{west} end of island +
plane spot near Larracha - 1:30 pm.

Raining at 1:35 p.m. looks threatening
to the north.

Kine Atoll

March 29, 1967

Laysan Albatross

737-93847

667-39368

Blue 45882

spray 90518

paint 90519

96346

90876

98080

94062

95630

47467

387-66728 San plastic bad
and right leg

737-96467

Albatross w/one leg - had trouble walking
for some

697-90363

737-97847

737-93201

737-94074

March 29, 1967

Laysan Albatross

737- 90886

93888

92362

47285

93283

697- 22123

737- 45850

96576

95501

96457 w/chick

~~96457~~ 45847

47305

93056

737- 91745 Bl-f. Alb

97680 Bl-f. Alb - green and grey

(7) 767- 45529

45528

45527

737- 95733 Laysan Alb

Kure Island

Laysan Albatross

~~737- 96612~~

~~767- 45329~~

~~737 94511~~

Kine March 29, 1967

Laysan Albatross

597-52782 lock band

767-45335 737-47383

737-96201 95000

94608 767-45321

96002 697-90613

72562 737-90032

95649

93076

597-45493 lock band to plastic leg

737-92762

95539

90524

93659

47447

91766

93535

93840

Layson All March 29

737-97667

737-47179

737-96279

737-94988

737-96169

91246

93691

99055

92256

92084

95652

16388

94100

597-46632

737-18106

95489

97171

697-22229

84526

90482

767-47465

737-95552

Rel. f. Borly
AU Empty
All egg

39.05 x 62.5

42.5 x 61.4

In the interior, facing a rough 90° angle
between the radar reflector + the antenna
mast I found several large clumps of
mint; square stem, white flowers, didn't
smell too pleasant - 2 large clumps
+ many smaller, in full bloom. Growing in a

clear area. Plants spread over radius of
about 6 feet

June 2

Laysan Albatross

737- 97866

96182

96527

19842

45906

98088

95139

95689

92051

95053

99066

90240

93642

90007

96039

94187

93639

93250

93099

667-39689

43614

39249

39259

697-75046

90516

22201

83071

Blue-f. Booby

597-83415 AM

697-24529 AF

Wedge-tail Shear

605-12625

29 March 1967
Laysan

✓ ADP

737-92592

96918

Blue-f. Booby

737-45135 AF

667-39210

597-83298

737-98532

45171 AF

45124 AM

667-35062 AM

697-70633 AF

Blue-f. Booby

697-24511 AM

70621 AM

737-47002 AF

667-39202 AM

737-45134 AM

737-45120 AM Tegg

697-70953 AF

70649 AM Tegg

March 29, 1967 ←

Laysan

737-91463

587-65829 tan plastic band right leg

667-39431

697-85714

697-89290

587-53964 red band - right leg

697-22609

737-47078

737-91895

47083

96620

90776

95348

95681

95356

95369

96042

97603

→ Kure Atoll

Blue f Booby

597-83265 AF

697-70949 AF

737-45129 AM ✓

| 45105 AF 2 eggs ✓

45188 AM ✓

Brown Booby

767-45905 AF ✓

737-98576 AF ✓

697-70637 AM

70948 AF 1 egg

70954 AM

737-96903 AF ✓

45123 AM 2 eggs ✓

98578 AM ✓

45174 AM ✓

45127 AF } ✓

45125 AM } 2 eggs ✓

March 29, 1967 Kine

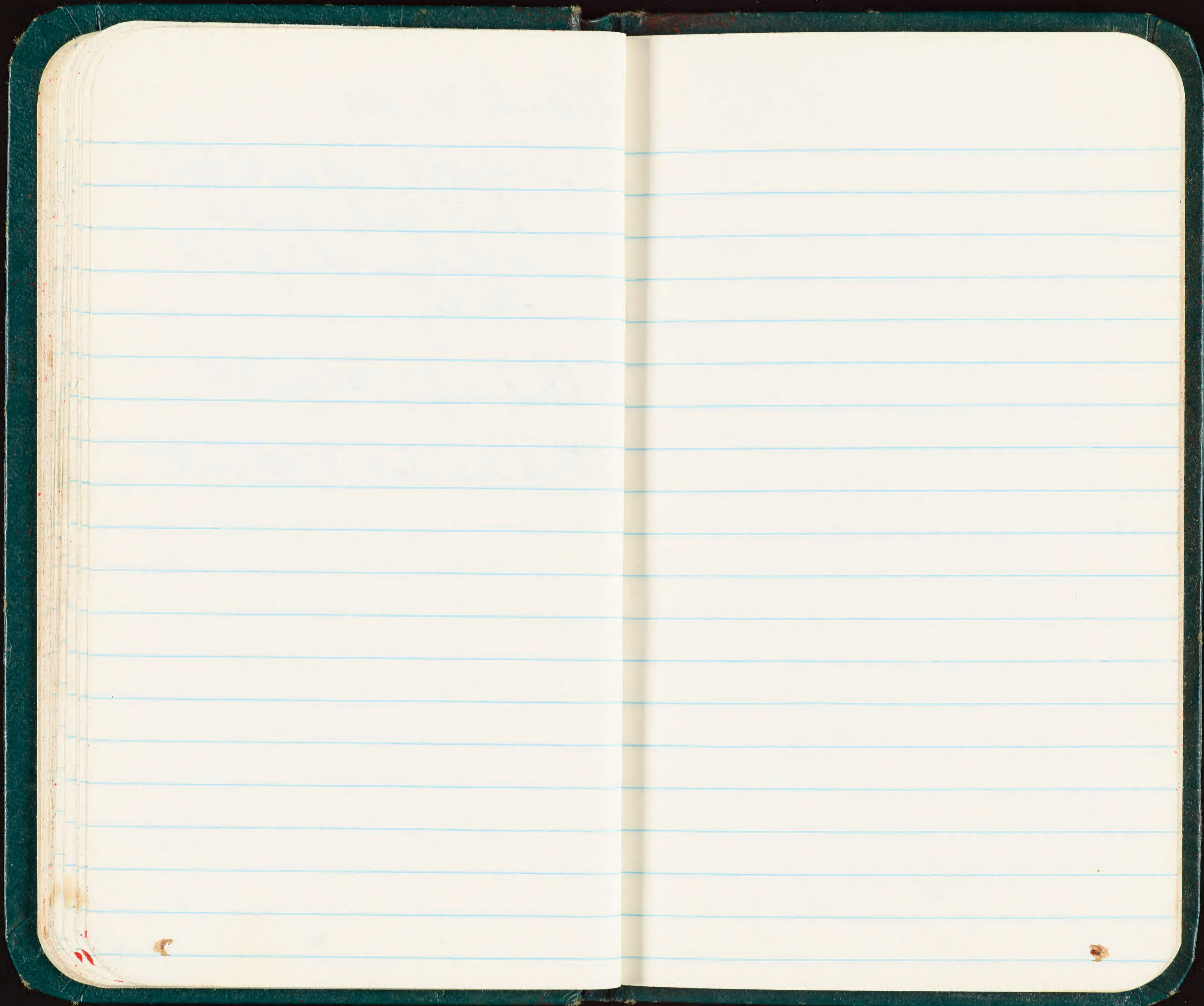
Blue f Barb Return
697 - 20951 Am
667 - 39211 AF

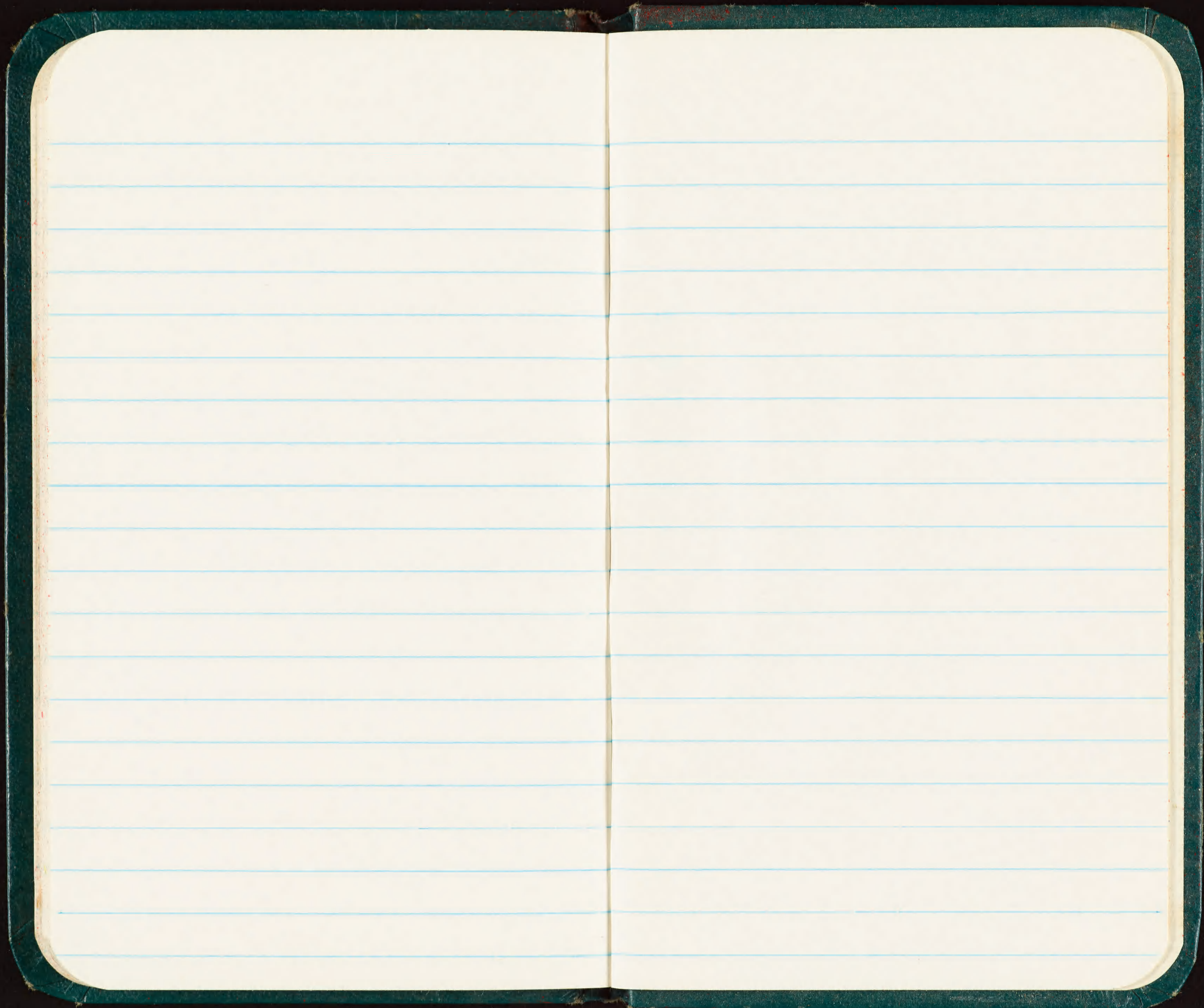
March 30, 1967

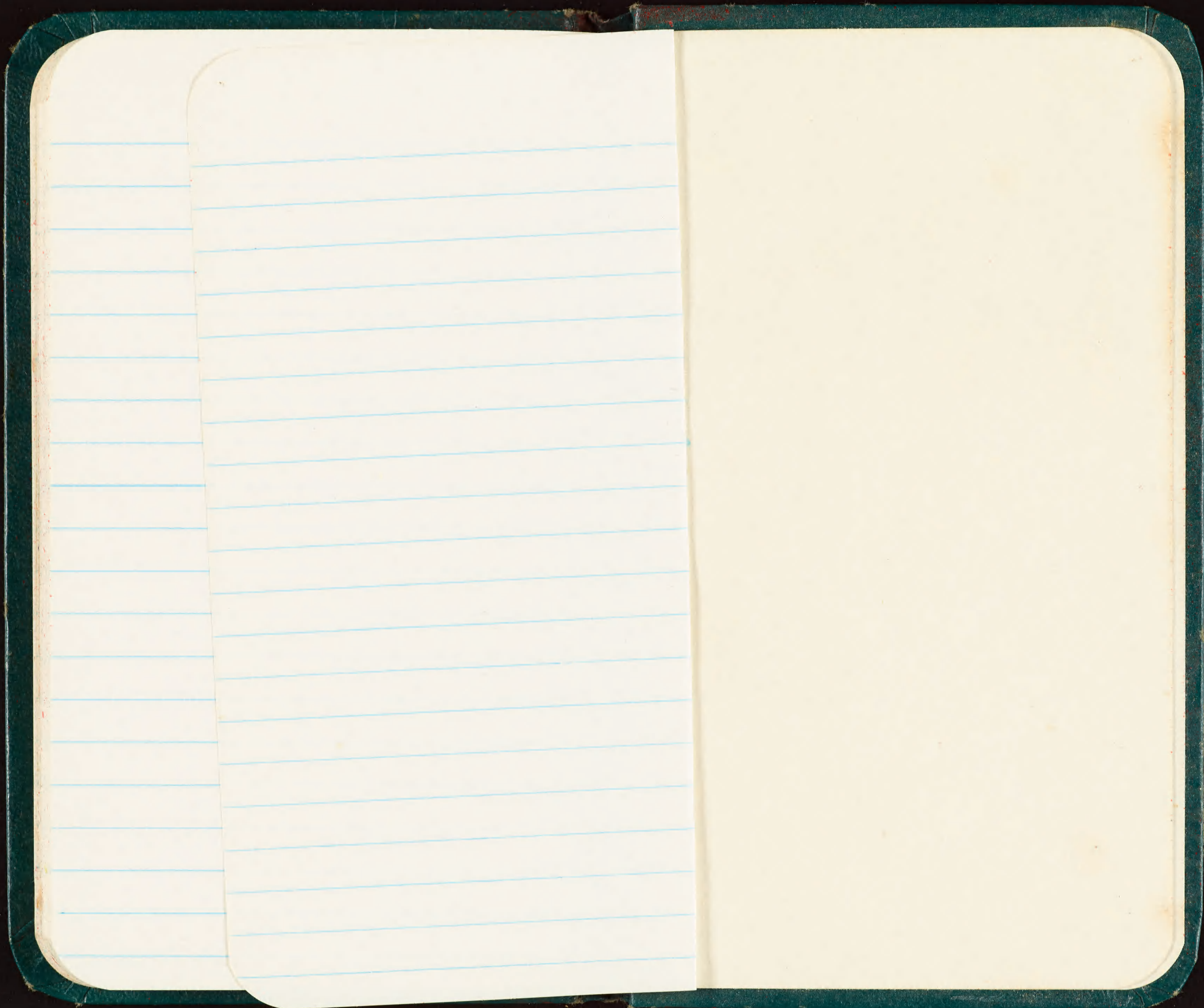
767-46682 red painted (top of
head) Adult in parent of
small Laysan chick found the
other day

Chick weighed 365 grams ± 5

Chick stands about 8" tall erect







76

168

190

434

169

603

+ handled on Kure

Smithsonian Inst.

U.S. Nat. Museum

Natural History Bldg.

Washington, D.C. 20560

64
12
76

21

18

105

62

107

323

67

123

190

7530-222-0078

FEDERAL SUPPLY SERVICE

Memoranda

June

Kure

Bulmer

April-May 1967



1600
Shorebird Count

WT

~~B N C B N~~
~~|||| ||| ||| |~~

/// // /



A hand-drawn diagram of a curved beam, possibly a bridge or a structural element, supported by four vertical posts. The beam is curved upwards in the middle. The drawing is done in blue ink on a light blue background.

1111

~~111~~

April 30
Curlew


RT

Sad pur

B XV
III III

~~11/11~~


TH



mil

117

112

~~7/11/11~~

2 May
~~30 April~~ OK

Brown Booby

Nest	1 egg	2e	etc
II	III	III	II
		I	

~~30 April~~ 2 May

Blue-faced

Nest	1e	2e	ch	N
X	II	III	III	I
		III	III	
	III	III	III	
			IIII	

4 eggs layed between 1300-1315

30 April

Sooty Tern Recovery

903-09717

903-09441 15 April

30 April

Laysan H.A.

Returns

Sends

1. ~~737-94973~~

2. ~~45372~~

3. ~~45783~~

4. ~~94902~~

5. ~~692-02198~~ 4

6. ~~667-42935~~ 3

7. ~~737-93576~~

8. ~~93419~~

9. ~~667 39393~~ 2

10. ~~737 95095~~

11. ~~95331~~

12. ~~91877~~

13. ~~96301~~

14. ~~97015~~

15. ~~757 73272~~

16. ~~737-15318~~

17. ~~45459~~

18. ~~94045~~

19. ~~587 72354~~ 1

20. ~~757-73159~~

30 Apr

Bonin Is Returns

~~903-03143~~

~~-13175~~

~~13164~~

Wedgetown Returns

~~615-08196~~

~~08133~~

~~09101~~

~~09304~~

~~635-16615~~

~~16376~~

~~21091~~

~~16805~~

~~21689~~

~~21088~~

} pr

~~645-25442~~

~~605-21178~~

~~12833~~

~~21721~~

~~12756~~

~~21187~~

~~635-16606~~

~~21037~~

~~16651~~

~~16423~~

31 April 12 weeks ~~tail length~~

31 April

Bl. fort Returns

737-97487

597 27066

737 93045

1 May

Sooty Tern ~~Return~~
903-09135 BP D

1 May

Sooty Terns layed today
about 150 eggs layed last night
rough estimate of 1 out of 5 banded

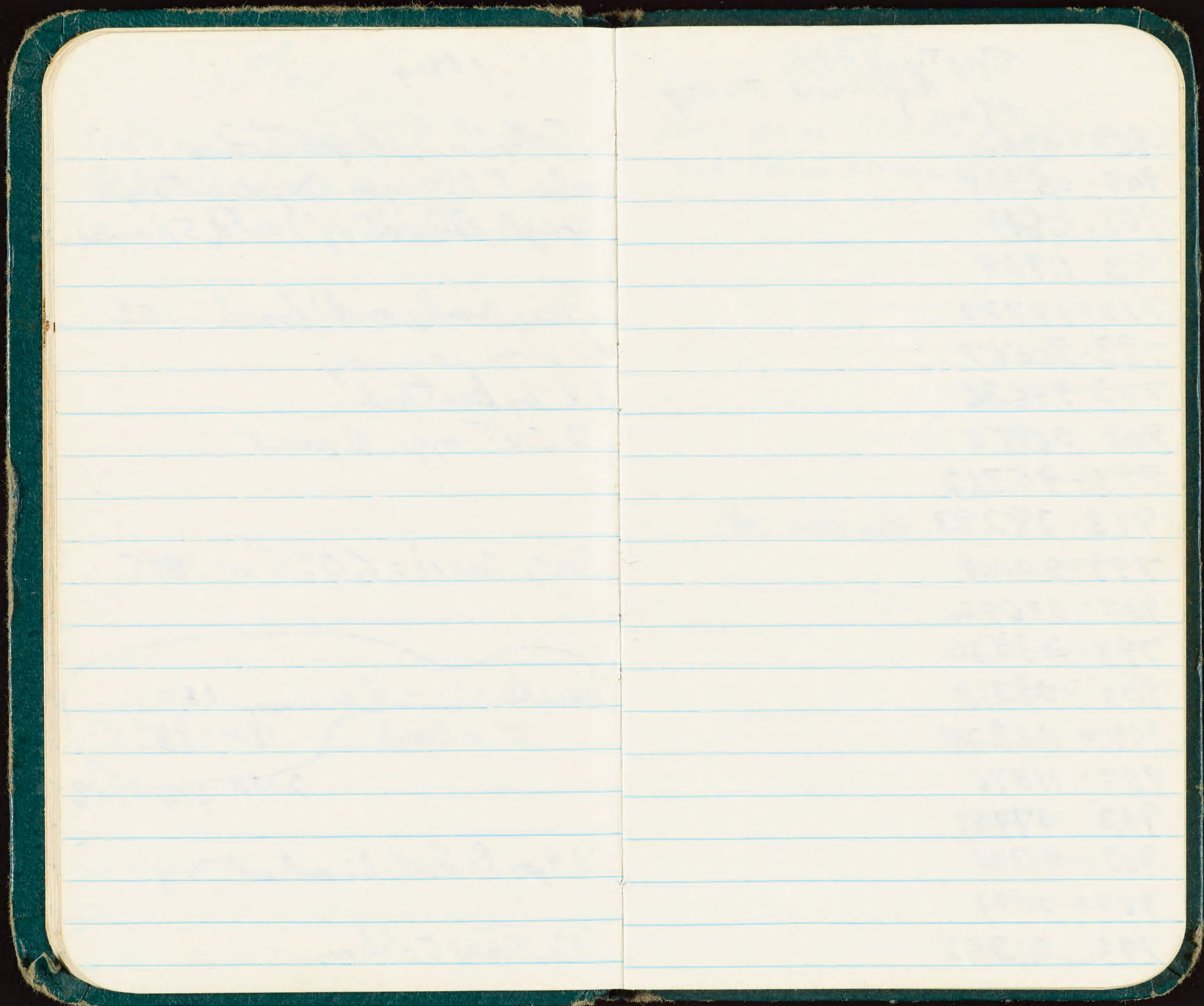
Greybacks on N. beach $10 \pm$
+ 1 over runway
+ 8 by boatdock
3 CNT eggs N point

Sooty Swirl = 60 ± 5 at 1845

Haw Noddy - 16 in lagoon 1845
5 N. Beach 1900 - 85 ± 5
2000 400 $\pm 10\%$

34 ps B Ford A = last including

12 Xmas Ls Shan.



Sooty Tern
Returns on egg
May 1

~~863-07031~~

~~903-05399~~

~~903-06721~~

903 11908

~~773-19770~~

~~793-96667~~

~~793-94636~~

~~903-06463~~

~~793-95762~~

913-28293 blue wore off

~~793-20009~~

~~903-04672~~

~~793-23530~~

~~903-09313~~

~~903-06974~~

903-11396

~~903-07787~~

~~903-01740~~

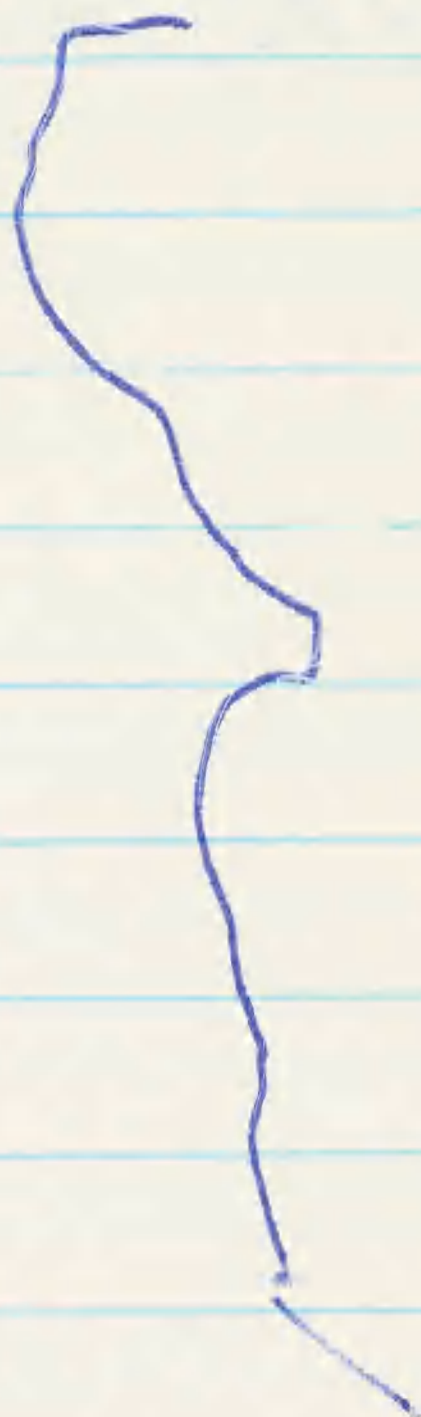
~~863-01124~~

~~793-21382~~

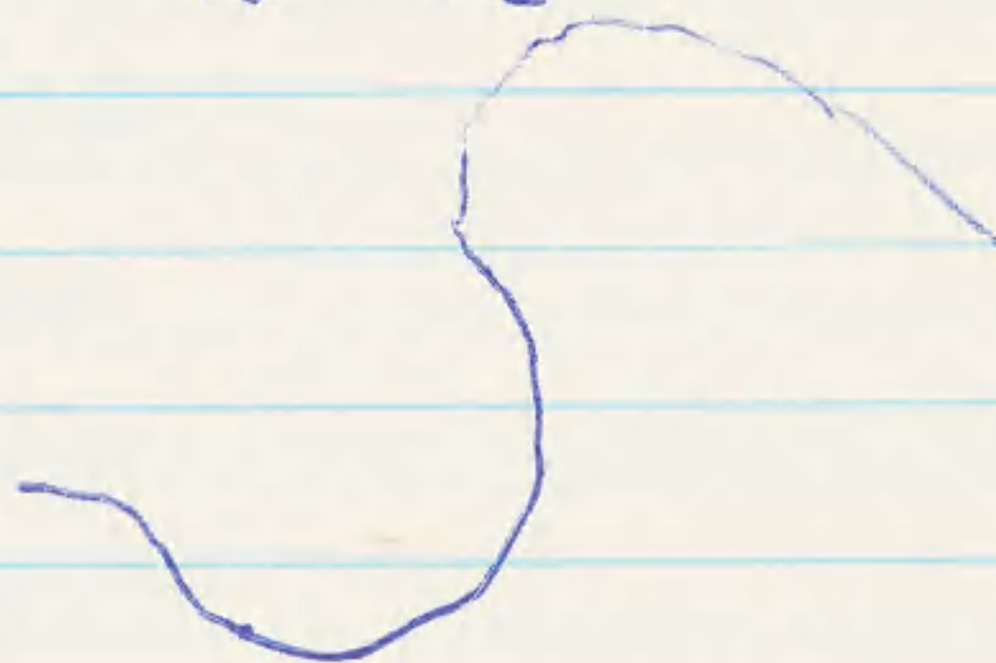
May 2

Blue area 1 cable to 5
400 Terns No eggs yet

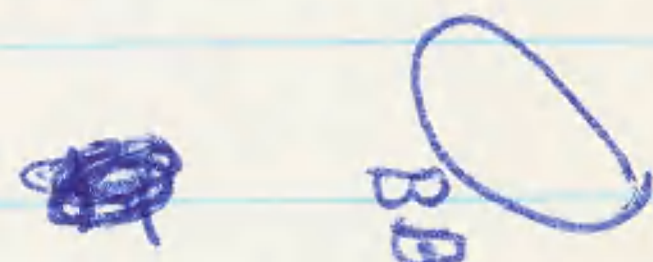
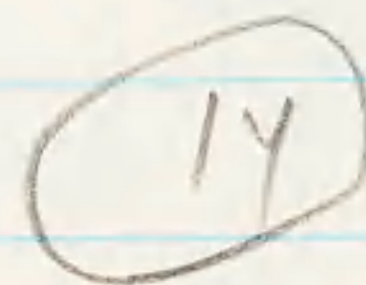
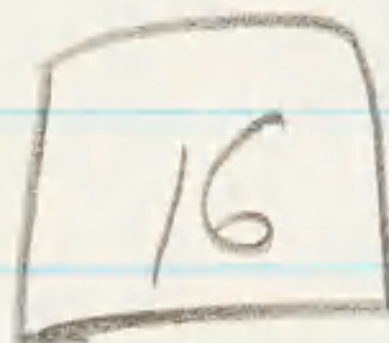
BB Soft Tower



1e
2e
N



Blue Laver
~~Soft Tower~~



2e

I

c

c

2e

2e

c

c

2e



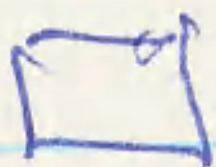
2e
2e
1e

2e

egg laid 1310
May 2

BB

N. of Tower



BFB

N. of Town



B 1-B Seva
May 3

- 21 ~~697-70621~~ ♂
- 22 ~~737-47002~~ ♀ 1e
- 23 ~~737-96903~~ ♀ c
- 24 ~~667-39202~~ ♂ 2e
- 25 ~~667-39210~~ ♀ 1e
- 26 ~~667-39223~~ ♂ 2e
- 27 ~~697-70649~~ ♂ c
- 28 ~~667-35064~~ ♀
- 29 ~~737-45126~~ ♀ c
- 30 ~~697-70949~~ ♀

May 4 Bonnie Returns

~~903-03255~~

~~903-14777~~

~~903-63377~~

~~793-21096~~

~~793-20823~~

~~903-03114~~

753-33739 ✓

753-33715 ✓

~~793-20479~~

~~753-33815~~

~~793-20670~~

~~903-03010~~

~~753-33815~~

~~793-20630~~

~~903-03144~~

~~793-21118~~

~~753-33996~~

903-15093

~~793-20275~~

753-33729 ✓

May 4 Wedgetad Return

c Roost

Red foot Ad	SAd	SAd Frigate	♂
HH 88	2	18	20
126	3	18	25
144	12	19	28

S Roost

Red foot Ad	SAd	Frigate Ad	♀	SAd
28	1	0	3	1
31	1	0	3	1
33	2	0	3	0

MON 5th SP Area 12

lay

23

weeds

30

Bogus

||||
|||

17

May 6

GP	WT	RT	C
III	III	III	
I	I	III	
		III	
		III	
		III	
		III	
		III	
		III	
		III	
		III	

Notified

111

~~III~~

Sooty Plots
Map

1 = 22 eggs

2 = 8 "

3 = 1 egg

N1 = ~~7~~ eggs

BFA

|||| |||

B Booby
1 ad ♀

L.A.

7 May Shorebird

GPR	NB	RT.B + NB
III		II
II		

Tattler

III

Seal

III III

Estimates

25 G Plover
 5 Tattler
 40 Ruddy Turn
 curlew?

Tropicbird 1

10 Wethegg

[Handwritten signature]

BFB

- 1 1e
- 2 egg + chick
- 3 LAY
- 4 2 Naked Chicks
- 5 SPC
- 6 SPC
- 7 2e
- 8 1e
- 9 LAY
- 10 2e
- 11 2e
- 12 SPY
- 13 SPY
- 14 SPY
- 15 1 day old chick
- 16 SPY
- 17 2e
- 18 SDC
- 19 SDC
- 20 1e

BFB

- 21 LDC
- 22 SDC
- 23 1e
- 24 LDC
- 25 1e
- 26 1 Chick
- 27 SDC
- 28 1e
- 29 2e
- 30 1e
- 31 SDC
- 32 SDC
- 33 2e
- 34 2e
- 35 2e
- 36 2e
- 37 1e
- 38 1e
- 39 2e
- 40 LDC

BFB May 7

41 SPC

42 2e

43 SPC

44 1e

45 1e

46 1e

47 SPC + (e infertile)

48 1e

49 1e

BB May 7

1 1e + 1 naked chick

2 2e

3 1e

4 2e

5 2e

6 2e

7 1e

8 naked chick

9 naked chick + egg

10 1e

11 2e

12 2e

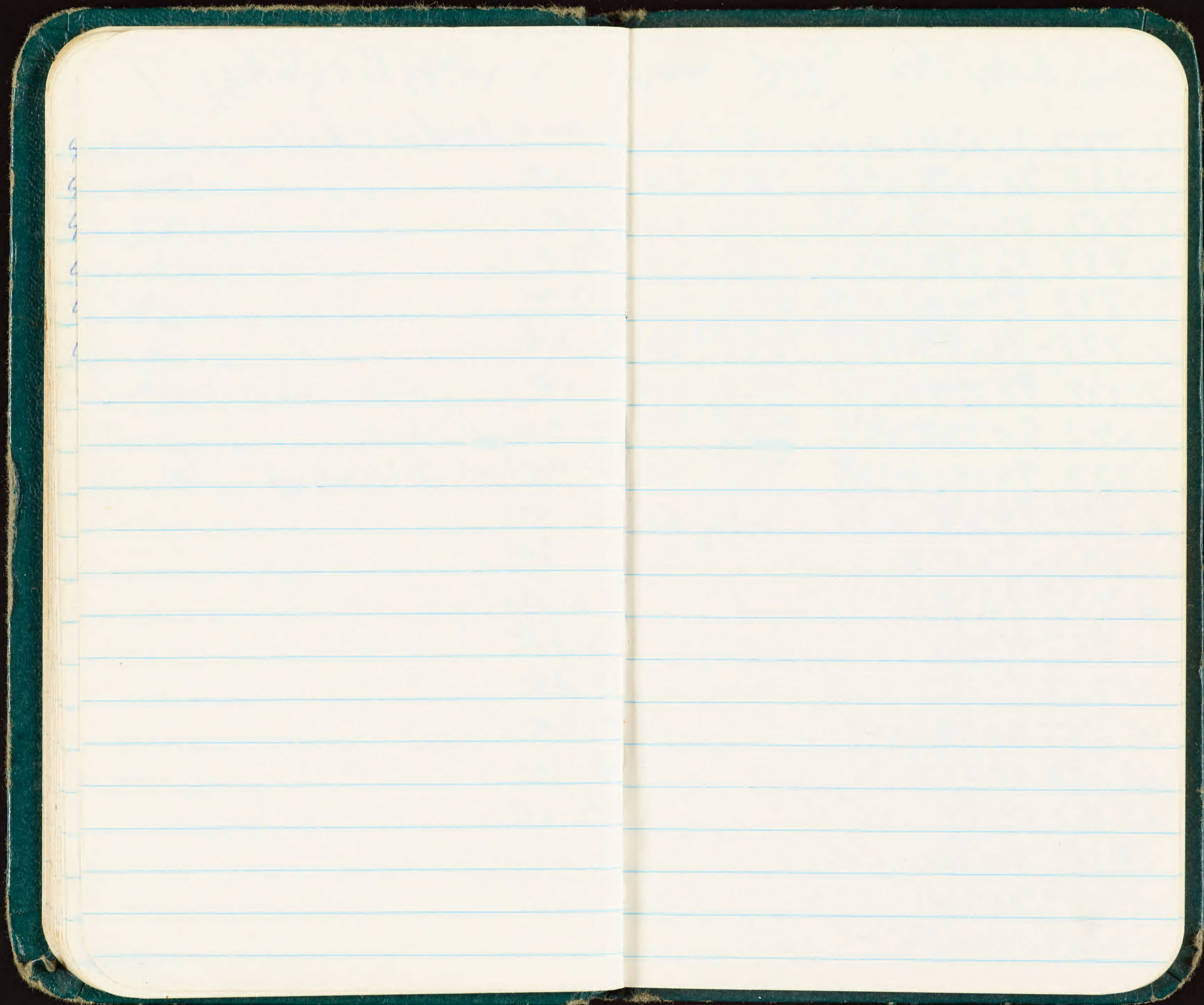
13 2e

14 2e

15 2e

16 1e

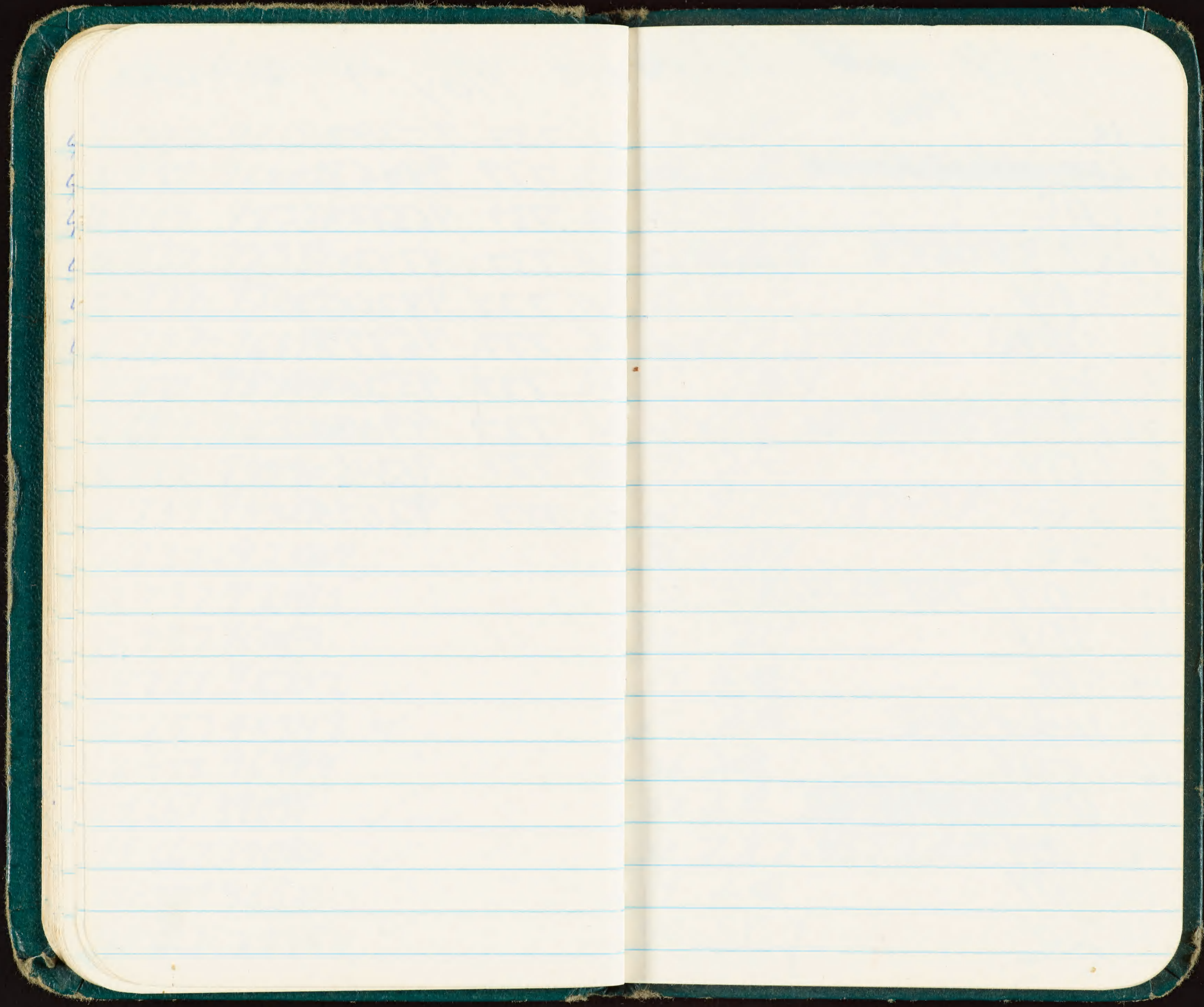
17 1e.



Laysan Sera Samples May 7 21-7 5005K

1 737 96180
2 737 96402
3 767 45378
4 737 92384
5 737 93062
6 737-96690
7 737 95794
8 697 90327 ✓
9 737 94440
10 737 94319
11 737-92507
12 737 92145
13 737 96463
14 737 95752
15 697 90348 ✓
16 737 96484
17 667 39034 ✓
18 667 39080 ✓
19 737 96538
20 697-79454 ✓

21 737 95292
22 737 94468
23 737 96513
24 737 47439
25 737 98265
26 737 96877
27 737 95203
28 737 99030
29 737 96346
30 737 92075



BFB ~~count~~ nest check
Mar 8

1 1e

2 ~~667 392079~~ 1e + chick

3 LPC

4 667 350559 2 naked

5 SPY

6 SPY

7 2e

8 667 350358 1e

9 LDY

10 2e

11 2e

12 SPY 737 4512W

13 SPY

14 SPY

15 naked chick

16 SPY

17 667 350598 2e

18 SPY

19 SPY

20 2e

21 LPC

22 SPY

23 1e

24 LDY

25 1e

26 667 392219 SPY

27 SPY

28 667 350469 1e

29 2e

30 737-958428 1e

31 SPY

32 SPY

33 2e

34 2e

35 2e

36 2e

37 2e 737-451358

38 737-451208 1e

39 2e

40 SPY

B FB

Nest
May 8

41 SPY

42 2e

43 737-96903 ♀ SPY

44 697-70621 ♂ 1e

45 1e

46 1e + imm begging for food from ♀

47 SPY

48 1e

49 667 39207 ♀ 1e

50

check

BB

1 2 naked chick

2 2e

3 1e

4 2e

5 2e

6 2e

7 1e

8 1 naked chick

9 1e + SPY

10 1e

11 2e

12 2e

13 2e

14 2e

15 2e

16 1e

17 1e

18 1e

shore bird 9 May

GP

R +

U.S.

~~||||~~ ~~||||~~

~~||||~~

~~||||~~ 1

~~||||~~ ~~||||~~

~~||||~~

~~||||~~ ~~||||~~

~~||||~~

~~||||~~ ||

~~||||~~

~~||||~~

||

a

3eals

~~||||~~ ~~||||~~

~~||||~~ ||

+ 3 length ranges

BFB

- 1 1e
- 2 1e naked chick
- 3 LpY
- 4 Naked chick
- 5 SPY
- 6 SPY
- 7 ~~2e~~
- 8 1e
- 9 LPY
- 10 2e
- 11 2e
- 12 SPY
- 13 SPY
- 14 SPY
- 15 naked chick
- 16 SPY
- 17 2e
- 18 LpC
- 19 SDC
- 20 2e

Nest check
9 May

- 21 LDC
- 22 SDC
- 23 1e
- 24 LpY
- 25 1e
- 26 1 SPY
- 27 SPY
- 28 1e
- 29 2e
- 30 1e
- 31 SPY
- 32 SPY
- 33 2e
- 34 2e
- 35 2e
- 36 2e
- 37 2e
- 38 1e
- 39 2e
- 40 SPY

BFB

Nest
9

41 SPY

42 2e

43 5R

44 1e

45 1e

46 1e

47 SPY

48 1e

49 1e

50 1e

Coke BB
May

1 2 naked chicks

2 2e

3 1e

4 2e

5 2e

6 2e

7 2e

8 SPY

9 1eg + SPY

10 1e

11 2e

12 2e

13 2e

14 2e

15 2e

16 1e

17 1e

18 1e

19 1e

Centrat Roost

RFBAd	S. Ad	♂	Frigate	imm
71	2	9	14	39
98	5	15	17	40
101	6	16	18	40

South Roost

RFBAd	S. Ad	♂	Frigate	imm
18	1		1	
19	1		1	
22	1		1	

BBAd 1
1

Haw Nod
400 ± 10%

BFB

- 1 1e
- 2 naked chick
- 3 LDY
- 4 naked chick
- 5 SPY
- 6 LDY
- 7 2e
- 8 1e
- 9 LDY
- 10 2e
- 11 2e
- 12 SPY
- 13 SPY
- 14 SPY
- 15 naked chick
- 16 SPY
- 17 2e
- 18 SPY
- 19 SPY
- 20 2e

nest

check
May 10

- 21 LDY
- 22 SPY
- 23 1e
- 24 LDY
- 25 2e
- 26 SPY
- 27 SPY
- 28 1e
- 29 2e
- 30 1e
- 31 SPY
- 32 SPY
- 33 2e
- 34 2e
- 35 2e
- 36 2e
- 37 2e
- 38 1e
- 39 2e
- 40 LDY

BFB

Nest
1994

41 SPY
42 2e
43 SPY
44 1e
45 1e
46 1e
47 SPY
48 1e
49 1e
50 1e

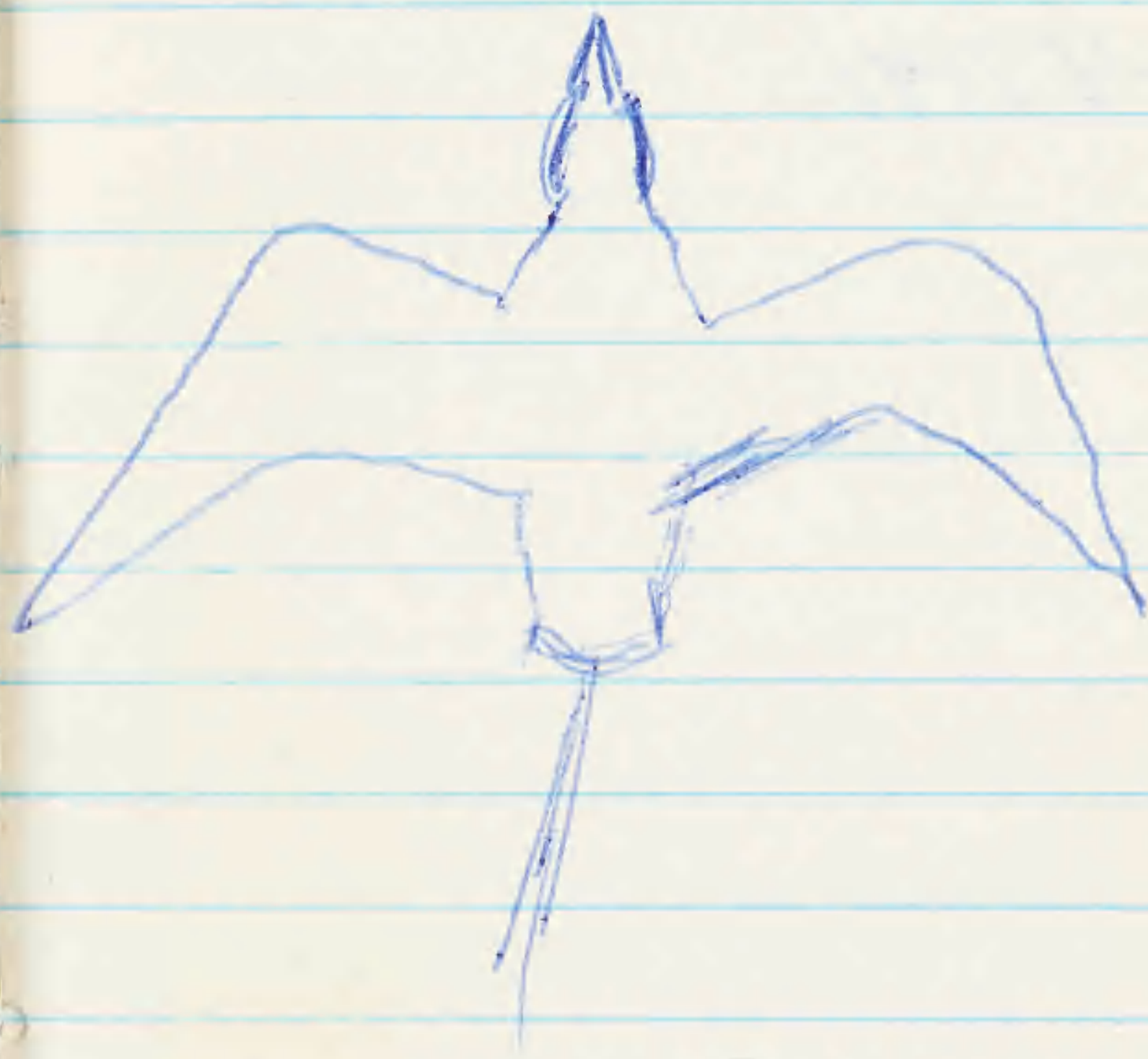
Chick BB

1 Naked chick
2 2e
3 1e
4 2e
5 2e
6 2e
7 2e
8 SPY
9 Naked chick + egg
10 2e
11 2e
12 2e
13 2e
14 2e
15 2e
16 2e
17 2e
18 1e
19 1e

R.T. Tropicbird Behavior

2 Red-tails were observed in deep seawater trying to get out. The male (smaller bird) led by about 4 feet. He proceeded through the seawater by hooking their heads over a branch with the bill pointed down, and pulled themselves through. Progress was made up and down in the ^{following} ~~same~~ manner. Wings were half opened feet were spread apart and the bird leaped like a frog with its feet, struck its bill in the sand and regained position with its wings & feet.

Both birds did this and after a series of leaps each turned shook the sand out of their bills and took a couple deep breaths of air.

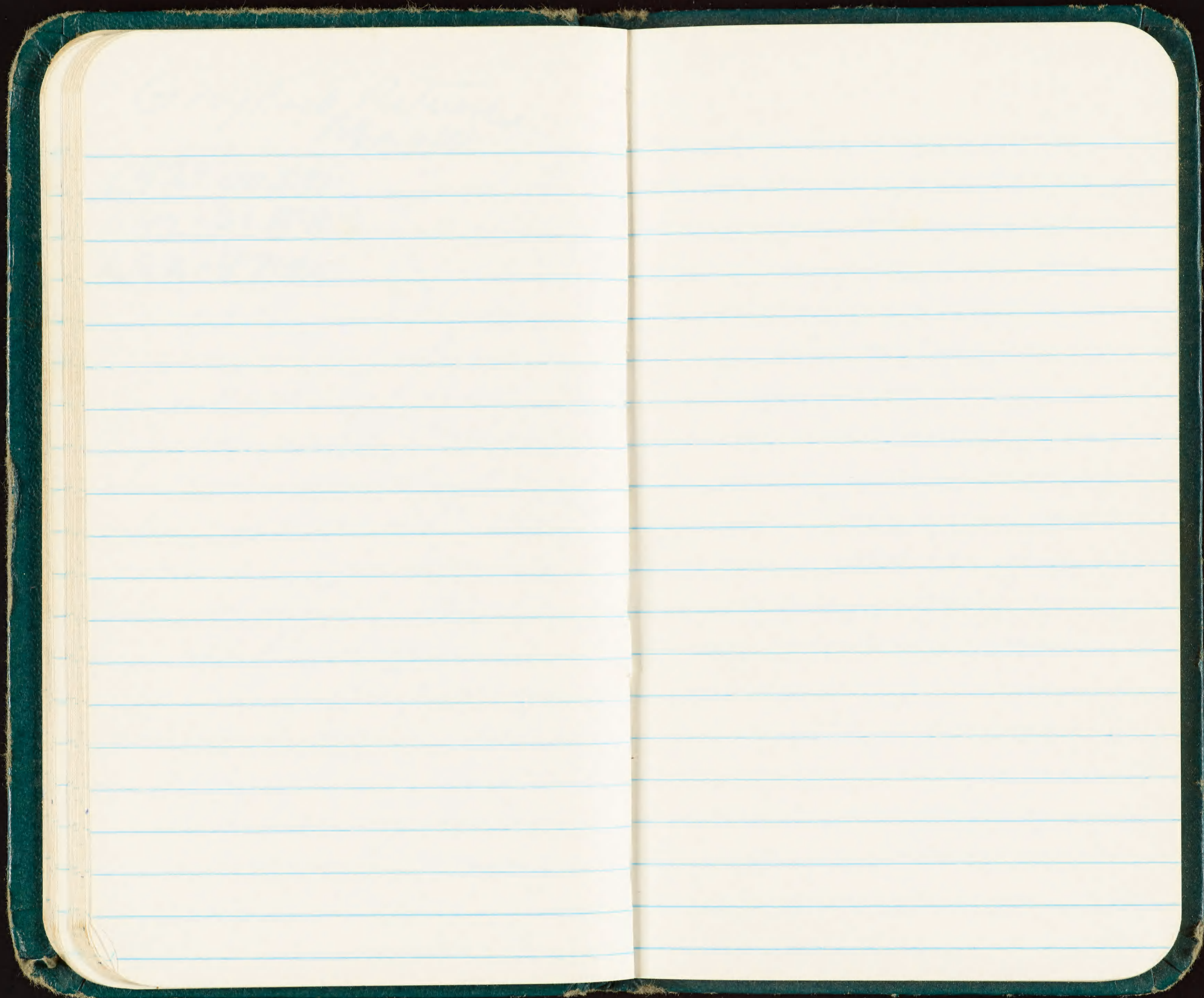


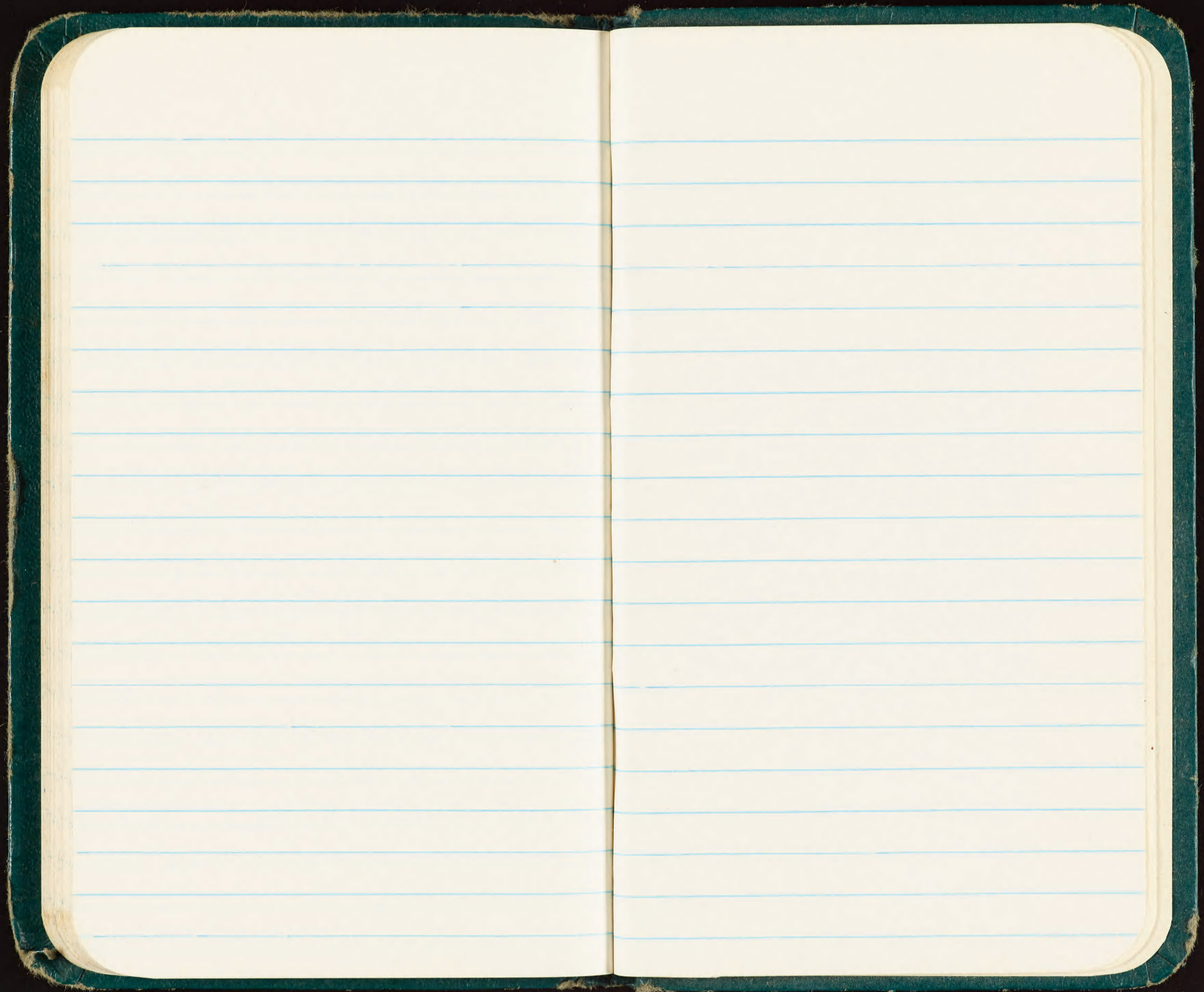
Grey Back Returns
May 10

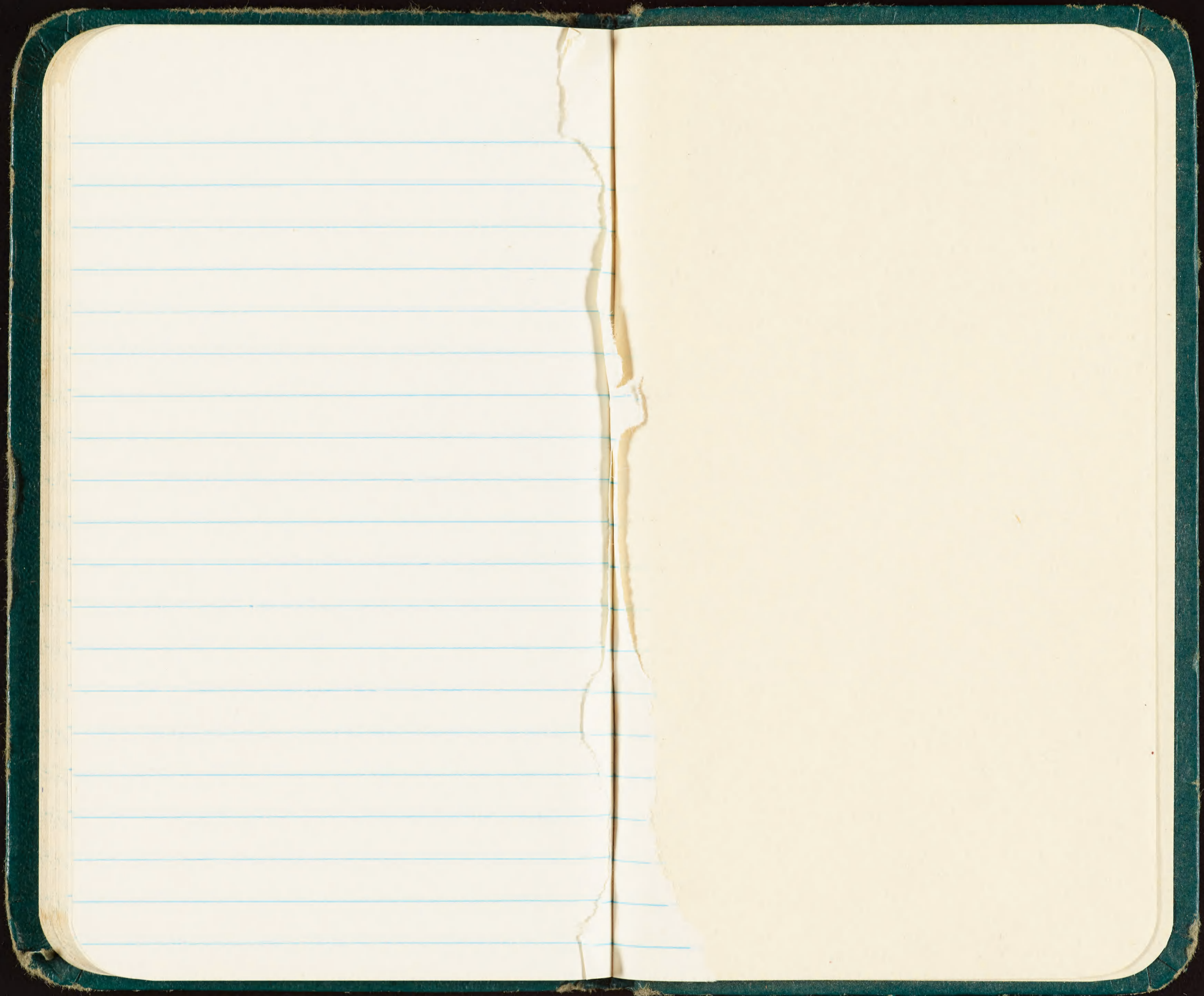
642-00591

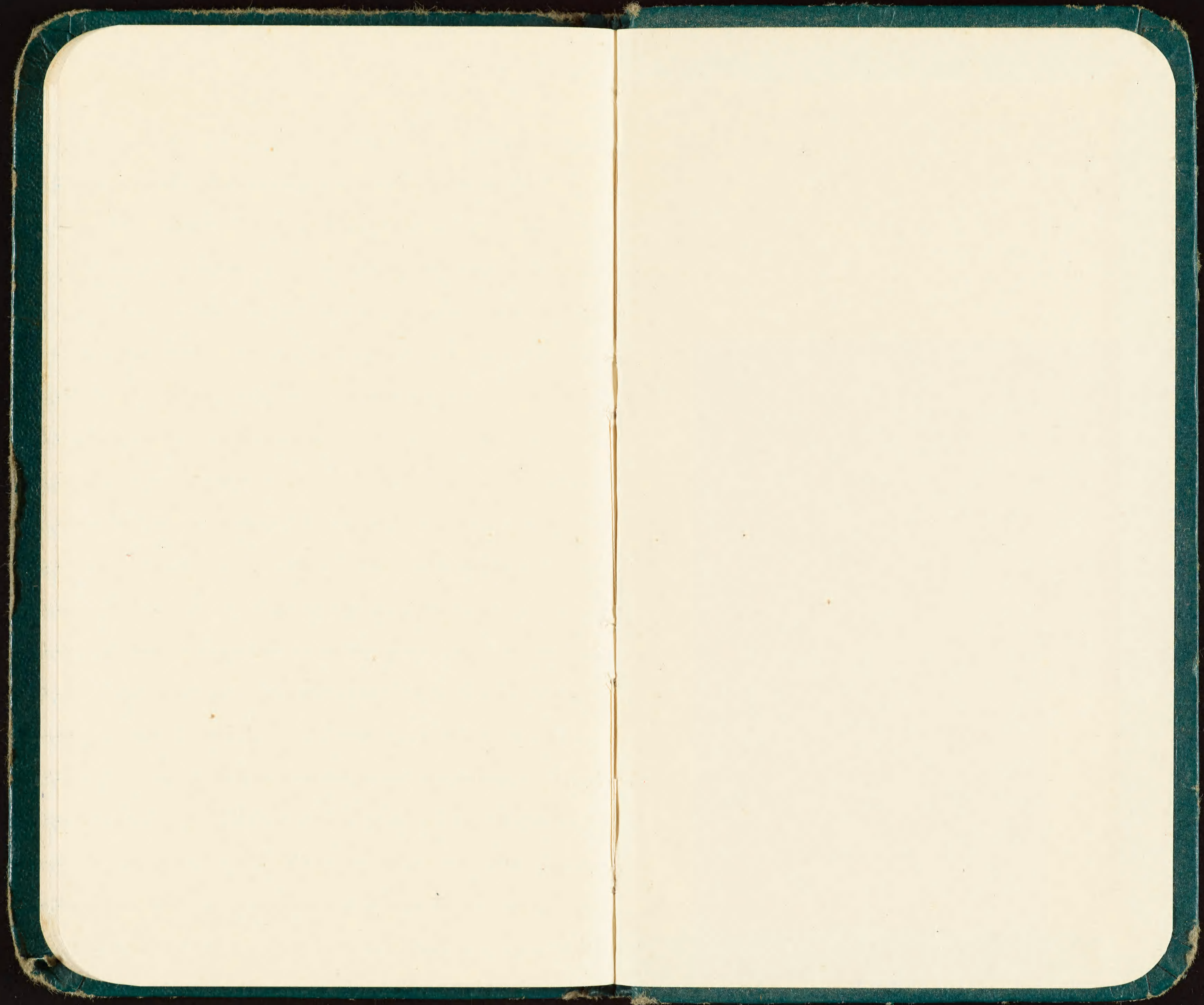
642-00587

682-47191









7530-222-0078

FEDERAL SUPPLY SERVICE

